

## Appendix D. Source and Accuracy Statement

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### SOURCE OF DATA

The SIPP universe is the non-institutionalized resident population living in the United States. This population includes persons living in group quarters, such as dormitories, rooming houses, and religious group dwellings. Crew members of merchant vessels, Armed Forces personnel living in military barracks, and institutionalized persons, such as correctional facility inmates and nursing home residents, were not eligible to be in the survey. Also, United States citizens residing abroad were not eligible to be in the survey. Foreign visitors who work or attend school in this country and their families were eligible; all others were not eligible. With the exceptions noted above, persons who were at least 15 years of age at the time of the interview were eligible to be interviewed in the survey.

The 1987 panel SIPP sample is located in 230 Primary Sampling Units (PSUs) each consisting of a county or a group of contiguous counties. Within these PSUs, expected clusters of two living quarters (LQs) were systematically selected from lists of addresses prepared for the 1980 decennial census to form the bulk of the sample. To account for LQs built within each of the sample areas after the 1980 census, a sample containing clusters of four LQs was drawn from permits issued for construction of residential LQs up until shortly before the beginning of the panel.

In jurisdictions that don't issue building permits or have incomplete addresses, small land areas were sampled and expected clusters of four LQs within were listed by field personnel and then subsampled. In addition, sample LQs were selected from a supplemental frame that included LQs identified as missed in the 1980 census.

The first interview was conducted during February, March, April, and May of 1987. Approximately one-fourth of the sample was interviewed in each of these months. Each sample person was visited every 4 months thereafter. At each interview the reference period was the 4 months preceding the interview month.

Occupants of about 93 percent of all eligible living quarters participated in the first interview of the panel. For subsequent interviews, only original sample persons (those in Wave 1 sample households and interviewed in Wave 1) and persons living with them were eligible to be interviewed. Original sample persons were followed if they moved to a new address, unless the new address

was more than 100 miles from a SIPP sample area. Then, telephone interviews were attempted. All first wave non-interviewed households were automatically designated as noninterviews for all subsequent interviews. When original sample persons moved to remote parts of the country and couldn't be reached by telephoning, moved without leaving a forwarding address; or refused to be interviewed, additional noninterviews resulted.

For longitudinal weights, a person was classified as interviewed or noninterviewed for the entire panel based on the following definitions. Interviewed sample persons were defined to be 1) those for whom self or proxy responses were obtained for each reference month of all seven interviews or 2) those for whom self or proxy responses were obtained for the first reference month of the panel and for each subsequent reference month until they were known to have died or moved to an ineligible address (foreign living quarters, institutions, or military barracks). Noninterviewed persons were defined to be those for whom neither self nor proxy responses were obtained for one or more reference months of the seven interviews (but not because they were deceased or moved to an ineligible address). Details on classification are found in "Weighting of Persons for SIPP Longitudinal Tabulations" (paper by Judkins, Hubble, Dorsch, McMillen and Ernst in the 1984 *Proceedings of the Survey Research Methods Section, American Statistical Association*). Details on patterns of nonresponse can be found in "Weighting Adjustment for Partial Nonresponse in the 1984 SIPP Panel" (paper by Lepkowski, Kalton and Kasprzyk in the 1989 *Proceedings of the Survey Research Methods Section, American Statistical Association*).

In the 1987 panel approximately 33,100 persons were initially eligible to be interviewed; however, 24,400 were classified as interviewed. The person non-response rate was 26 percent. Similarly, for the 1987 Calendar Year (87CY) and 88CY, approximately 33,100 and 34,800, respectively, were initially eligible, but the numbers actually classified as interviewed were 26,400 and 25,800. The person non-response rate was 20 percent for the 87CY and 26 percent for the 88CY.

Some estimates are based on monthly averages from cross-sectional files. Non-response rates for the months on the files vary from 7 percent to 20.5 percent. (See "SIPP 86 and 87: Source and Accuracy Statement for 1986 and 1987 Panel Public Use Files - Revision," dated January 17, 1990.)

Some respondents did not respond to some of the questions; therefore, the overall non-response rate for some items, especially sensitive income and money related items, is higher than the person nonresponse rate. For more discussion of nonresponse see the *Quality Profile for the Survey of Income and Program Participation*, May 1990, by T. Jabine, K. King, and R. Petroni, available from Customer Services, Data Users Services Division (301-763-4100).

## ESTIMATION

Several stages of weight adjustments were involved in the estimation procedure used to derive the SIPP longitudinal person weights. Each person received a base weight equal to the inverse of his/her probability of selection. Two non-interview adjustment factors were applied. One adjusted the weights of interviewed persons in interviewed households to account for households which were eligible for the sample but could not be interviewed at the first interview. The second was applied to compensate for person noninterviews occurring in subsequent interviews. The Bureau has used complex techniques to adjust the weights for nonresponse, but the success of these techniques in avoiding bias is unknown. For more detail on non-interview adjustment for longitudinal estimates see *Nonresponse Adjustment Methods for Demographic Surveys at the U.S. Bureau of the Census*, November 1988, Working Paper 8823, by R. Singh and R. Petroni.

Another factor was applied to each interviewed person's weight to account for the SIPP sample areas not having the same population distribution as the strata from which they were selected.

An additional stage of adjustment to longitudinal person weights was performed to reduce the mean square error of the survey estimates. This was accomplished by ratio adjusting the sample estimates to agree with monthly Current Population Survey (CPS) type estimates of the civilian (and some military) non-institutional population of the United States by demographic characteristics including age, sex, and race, as of the specified control date. For the Panel, the control date is March 1, 1987. The 1987 calendar year and 1988 calendar year control dates are January 1, 1987 and January 1, 1988, respectively. The CPS estimates by age, race, and sex, were themselves brought into agreement with estimates from the 1980 decennial census which have been adjusted to reflect births, deaths, immigration, emigration, and changes in the Armed Forces since 1980. Also, SIPP estimates were controlled to independent Hispanic controls.

Cross-sectional weighting was similar, except no person-level nonresponse adjustments were done. Also, SIPP cross-sectional estimates were controlled to independent Hispanic controls and an adjustment was made

so that husbands and wives within the same household were assigned equal weights. All of the above adjustments are implemented for each reference month and the interview month.

## ACCURACY OF ESTIMATES

SIPP estimates are based on a sample; they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same questionnaire, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey: nonsampling and sampling. We are able to provide estimates of the magnitude of SIPP sampling error, but this is not true of nonsampling error. Found in the next sections are descriptions of sources of SIPP nonsampling error, followed by a discussion of sampling error, its estimation, and its use in data analysis.

**Nonsampling Variability.** Nonsampling errors can be attributed to many sources, e.g., inability to obtain information about all cases in the sample; definitional difficulties; differences in the interpretation of questions; inability or unwillingness on the part of the respondents to provide correct information; inability to recall information; errors made in the following: collection such as in recording or coding the data, processing the data, estimating values for missing data; biases resulting from the differing recall periods caused by the interviewing pattern used; and undercoverage. Quality control and edit procedures were used to reduce errors made by respondents, coders and interviewers. More detailed discussions of the existence and control of nonsampling errors in the SIPP can be found in the *SIPP Quality Profile*.

Undercoverage in SIPP results from missed living quarters and missed persons within sample households. It is known that undercoverage varies with age, race, and sex. Generally, undercoverage is larger for males than for females and larger for Blacks than for other races. Ratio estimation to independent age-race-sex population controls partially corrects for the bias due to survey undercoverage. However, biases exist in the estimates to the extent that persons in missed households or missed persons in interviewed households have characteristics different from those of interviewed persons in the same age-race-sex group. Further, the independent population controls used have not been adjusted for undercoverage in the census.

Users must be careful when comparing estimates derived from different sets of weights. Different methodology and control dates are used for longitudinal panel, calendar year, and average monthly estimates which are all used in this report. Because each set of weights may produce different estimates for the same characteristics, comparisons of two estimates based on different weights may be biased.

For example, suppose we look at the number of persons receiving benefits from one or more major assistance programs in 1987. Using average monthly weights we have 27,412,000 people while using calendar year weights we have 27,055,000. However, for the percentage of people in the panel receiving one or more major assistance programs we obtain 11.4 percent for both average monthly and calendar year weights.

**Comparability with Other Estimates.** Caution should be exercised when comparing data from this report with data from other SIPP publications or with data from other surveys. The comparability problems are caused by such sources as the seasonal patterns for many characteristics, different nonsampling errors, and different concepts and procedures. Refer to the SIPP Quality Profile for known differences with data from other sources and further discussion.

**Sampling Variability.** Standard errors indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The standard errors for the most part measure the variations that occurred by chance because a sample rather than the entire population was surveyed.

## USES AND COMPUTATION OF STANDARD ERRORS

**Confidence Intervals.** The sample estimate and its standard error enable one to construct confidence intervals, ranges that would include the average result of all possible samples with a known probability. For example, if all possible samples were selected, each of these being surveyed under essentially the same conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.
3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples.

The average estimate derived from all possible samples is or is not contained in any particular computed

interval. However, for a particular sample, one can say with a specified confidence that the average estimate derived from all possible samples is included in the confidence interval.

**Hypothesis Testing.** Standard errors may also be used for hypothesis testing, a procedure for distinguishing between population characteristics using sample estimates. The most common types of hypotheses tested are 1) the population characteristics are identical versus 2) they are different. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the characteristics are different when, in fact, they are identical.

All statements of comparison in the report have passed a hypothesis test at the 0.10 level of significance or better. This means that, for differences cited in the report, the estimated absolute difference between parameters is greater than 1.6 times the standard error of the difference.

To perform the most common test, compute the difference  $X_A - X_B$ , where  $X_A$  and  $X_B$  are sample estimates of the characteristics of interest. A later section explains how to derive an estimate of the standard error of the difference  $X_A - X_B$ . Let that standard error be  $s_{DIFF}$ . If  $X_A - X_B$  is between -1.6 times  $s_{DIFF}$  and +1.6 times  $s_{DIFF}$ , no conclusion about the characteristics is justified at the 10 percent significance level. If, on the other hand,  $X_A - X_B$  is smaller than -1.6 times  $s_{DIFF}$  or larger than +1.6 times  $s_{DIFF}$ , the observed difference is significant at the 10 percent level. In this event, it is commonly accepted practice to say that the characteristics are different. Of course, sometimes this conclusion will be wrong. When the characteristics are, in fact, the same, there is a 10 percent chance of concluding that they are different.

Note that as more tests are performed, more erroneous significant differences will occur. For example, at the 10 percent significance level, if 100 independent hypothesis tests are performed in which there are no real differences, it is likely that about 10 erroneous differences will occur. Therefore, the significance of any single test should be interpreted cautiously.

**Note Concerning Small Estimates and Small Differences.** Summary measures are shown in the report only when the base is 200,000 or greater. Because of the large standard errors involved, there is little chance that estimates will reveal useful information when computed on a base smaller than 200,000. Also, nonsampling error in one or more of the small number of cases providing the estimate can cause large relative error in that particular estimate. Estimated numbers are shown, however, even though the relative standard errors of these numbers are larger than those for the corresponding percentages. These smaller estimates are provided primarily to permit such combinations of the categories

as serve each user's needs. Therefore, care must be taken in the interpretation of small differences since even a small amount of nonsampling error can cause a borderline difference to appear significant or not, thus distorting a seemingly valid hypothesis test.

**Standard Error Parameters and Tables and Their Use.** Most SIPP estimates have greater standard errors than those obtained through a simple random sample because clusters of living quarters are sampled for the SIPP. To derive standard errors that would be applicable to a wide variety of estimates and could be prepared at a moderate cost, a number of approximations were required. Estimates with similar standard error behavior were grouped together and two parameters (denoted "a" and "b") were developed to approximate the standard error behavior of each group of estimates. Because the actual standard error behavior was not identical for all estimates within a group, the standard errors computed from these parameters provide an indication of the order of magnitude of the standard error for any specific estimate. These "a" and "b" parameters vary by characteristic and by demographic subgroup to which the estimate applies. This report uses both longitudinal and cross-sectional estimates. Tables D-1, D-2, and D-3 provide base "a" and "b" parameters to be used for the 1987 panel estimates, the 1987 and 1988 calendar year estimates, and the 1987 and 1988 average monthly estimates, respectively.

For those users who wish further simplification, we have also provided general standard errors in tables D-4 and D-5. Note that these standard errors must be adjusted by a factor from tables D-1, D-2, or D-3. The standard errors resulting from this simplified approach are less accurate. Methods for using these parameters and tables for computation of standard errors are given in the following sections.

**Methodology for Choosing the Correct Table for Computation of Standard Errors.** As mentioned earlier, this report uses both longitudinal and cross-sectional estimates. It is important in calculating standard errors to use the appropriate "a" and "b" parameters for the chosen estimate.

The following information is for users who wish to calculate standard errors for estimates given in the report:

| Estimate                                   | Use Table: |
|--|------------|
| Persons participating all of 1987 and 1988 | D-1        |
| Persons ever participating                 | D-2        |
| Average monthly participation              | D-3        |
| Median monthly family benefits             | *          |
| Median spell duration                      | **         |

For example, a user would use tables D-2 and D-3 to compute the standard errors for table A in the report. Table D-3 would be used for table B in the report while table D-1 would be used for table C.

\* The standard errors for this estimate have already been calculated and are given in table D-6.

\*\* The standard errors for this estimate have already been calculated and are given in table D-7.

**Standard Errors of Estimated Numbers.** There are two ways to compute the approximate standard error,  $s_x$ , of an estimated number shown in this report. The first uses the formula

$$s_x = fs \quad (1)$$

where  $f$  is a factor from tables D-1, D-2, or D-3, and  $s$  is the standard error of the estimate obtained by interpolation from table D-4. Alternatively,  $s_x$  may be approximated by the formula,

$$s_x = \sqrt{ax^2 + bx} \quad (2)$$

from which the standard errors in table D-4 were calculated. Here  $x$  is the size of the estimate and  $a$  and  $b$  are the parameters in tables D-1, D-2, or D-3 associated with the particular type of characteristic. Use of formula 2 will provide more accurate results than the use of formula 1. When calculating standard errors for numbers from cross-tabulations involving different characteristics, use the factor or set of parameters for the characteristic which will give the largest standard error.

### Illustration.

Suppose, using the 1987 panel weights, we have a SIPP estimate of 17,000,000 persons participating all of 1987 and 1988 in major assistance programs. The appropriate "a" and "b" parameters and the "f" factor to use for calculating the standard error for the estimate are found in table D-1. They are

$$a = -0.0001654, b = 38,147, f = 1.00$$

In addition, the appropriate standard error of the estimate from table D-4 is

$$s = 775,000$$

Thus, using formula 1, the approximate standard error is

$$\begin{aligned} s_x &= 1.00(775,000) \\ &= 775,000 \end{aligned}$$

and using formula 2, the approximate standard error is

$$s_x = \sqrt{(-0.0001654)(17,000,000^2 + 38,147(17,000,000))} \\ = 775,000$$

The 90-percent confidence interval is from 15,759,925 to 18,240,075. Therefore, a conclusion that the average estimate, derived from all possible samples, lies within a range computed in this way would be correct for roughly 90 percent of all samples.

**Standard Errors of Estimated Percentages.** The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends on the size of the percentage and its base. When the numerator and denominator of the percentage have different parameters, use the parameter (or appropriate factor) from tables D-1, D-2, or D-3 indicated by the numerator.

The approximate standard error,  $s_{(x,p)}$ , of an estimated percentage  $p$  can be obtained by use of the formula

$$s_{(x,p)} = fs \quad (3)$$

where  $p$  is the percentage of persons/families/households with a particular characteristic such as the percent of persons owning their own homes.

In this formula,  $f$  is the appropriate "f" factor from tables D-1 through D-3, and  $s$  is the standard error of the estimate obtained by interpolation from table D-5.

Alternatively, it may be approximated by the formula:

$$s_{(x,p)} = \sqrt{\frac{b}{x}(p)(100-p)} \quad (4)$$

from which the standard errors in table D-5 were calculated. Here  $x$  is the total number of persons, families, households, or unrelated individuals in the base of the percentage,  $p$  is the percentage ( $0 \leq p \leq 100$ ), and  $b$  is the "b" parameter in tables D-1, D-2, or D-3 associated with the characteristic in the numerator of the percentage. Use of this formula will give more accurate results than use of formula (3) above.

### Illustration.

Suppose that, using the 1987 panel weights, 6 percent of the 111,506,000 males in the panel were persons participating all of 1987 and 1988 in major

assistance programs. Using formula (4) and the "b" parameter of 38,147 from table D-1, the approximate standard error is

$$a_{(x,p)} \sqrt{\frac{38,147}{111,506,000} (6)(94)} = 0.4 \text{ percent}$$

Consequently, the 90-percent confidence interval is from 5.4 percent to 6.6 percent

**Standard Error of a Difference.** The standard error of a difference between two sample estimates,  $x$  and  $y$ , is approximately equal to

$$s_{(x,y)} = \sqrt{s_x^2 + s_y^2 - 2rs_xs_y} \quad (5)$$

where  $s_x$  and  $s_y$  are the standard errors of the estimates  $x$  and  $y$  and  $r$  is the correlation coefficient between the characteristics estimated by  $x$  and  $y$ . The estimates can be numbers, averages, percents, ratios, etc. Underestimates or overestimates of standard error of differences result if the estimated correlation coefficient is overestimated or underestimated, respectively. In this report,  $r$  is assumed to be zero.

### Illustration.

Suppose that using the 1987 panel weights, 6 percent of the 111,506,000 males and 8.7 percent of the 119,484,000 females in the panel were persons participating all of 1987 and 1988 in major assistance programs.

Using the appropriate "b" parameters from table D-1 and formula (4), the standard errors for the male and female percentages are 0.4 and 0.5 percent, respectively.

The standard error of the difference is computed using formula (5):

$$s_{(x-y)} = \sqrt{(0.4)^2 + (0.5)^2} = 0.6 \text{ percent}$$

Suppose it's desired to test at the 10 percent significance level whether the above 2 percentages differ significantly. To perform the test, compare the difference of 2.7 percent to the product  $0.6 \times 1.6 = 1.0$  percent. Since the percent difference is more than 1.6 times the standard error of the difference, the data does support the hypothesis that the 2 percent estimates are significantly different at the 10 percent level.

**Table D-1. SIPP Generalized Variance Parameters for Estimates Using Panel Weights - 1987 Longitudinal Panel File**

| CHARACTERISTICS                                 | a          | b      | f    |
|---|------------|--------|------|
| <b>PERSONS</b>                                  |            |        |      |
| <b>Total or White</b>                           |            |        |      |
| 16+ Program Participation and Benefits, Poverty |            |        |      |
| Both sexes.....                                 | -0.0001807 | 30,767 | 0.90 |
| Male .....                                      | -0.0003801 | 30,767 | 0.90 |
| Female .....                                    | -0.0003441 | 30,767 | 0.90 |
| All Others                                      |            |        |      |
| Both sexes.....                                 | -0.0001654 | 38,147 | 1.00 |
| Male .....                                      | -0.0003421 | 38,147 | 1.00 |
| Female .....                                    | -0.0003203 | 38,147 | 1.00 |
| <b>Black</b>                                    |            |        |      |
| All Others                                      |            |        |      |
| Both sexes.....                                 | -0.0005115 | 14,113 | 0.61 |
| Male .....                                      | -0.0010991 | 14,113 | 0.61 |
| Female .....                                    | -0.0009565 | 14,113 | 0.61 |

**Table D-2. SIPP Generalized Variance Parameters for Estimates Using 87CY and 88CY Weights - 1987 Longitudinal Panel File**

| CHARACTERISTICS           | a          | b      | f    |
|---------------------------|------------|--------|------|
| <b>PERSONS</b>            |            |        |      |
| <b>CY87</b>               |            |        |      |
| <b>Total or White</b>     |            |        |      |
| 16+ Program Participation |            |        |      |
| Both sexes.....           | -0.0001685 | 28,695 | 0.87 |
| Male .....                | -0.0003545 | 28,695 | 0.87 |
| Female .....              | -0.0003209 | 28,695 | 0.87 |
| All Others                |            |        |      |
| Both sexes.....           | -0.0001543 | 35,577 | 0.97 |
| Male .....                | -0.0003191 | 35,577 | 0.97 |
| Female .....              | -0.0002987 | 35,577 | 0.97 |
| Black                     |            |        |      |
| Both sexes.....           | -0.0004770 | 13,162 | 0.59 |
| Male .....                | -0.0010250 | 13,162 | 0.59 |
| Female .....              | -0.0008921 | 13,162 | 0.59 |
| <b>CY88</b>               |            |        |      |
| <b>Total or White</b>     |            |        |      |
| 16+ Program Participation |            |        |      |
| Both sexes.....           | -0.0001719 | 29,290 | 0.88 |
| Male .....                | -0.0003616 | 29,270 | 0.88 |
| Female .....              | -0.0003273 | 29,270 | 0.88 |
| All Others                |            |        |      |
| Both sexes.....           | -0.0001574 | 36,290 | 0.98 |
| Male .....                | -0.0003255 | 36,290 | 0.98 |
| Female .....              | -0.0003047 | 36,290 | 0.98 |
| Black                     |            |        |      |
| Both sexes.....           | -0.0004866 | 13,426 | 0.59 |
| Male .....                | -0.0010456 | 13,426 | 0.59 |
| Female .....              | -0.0009100 | 13,426 | 0.59 |

**Table D-3. SIPP Generalized Variance Parameters for Average Monthly Estimates for the Years 1987 and 1988, Cross-Sectional Files**

| CHARACTERISTICS           | a          | b      | f    |
|---------------------------|------------|--------|------|
| <b>PERSONS</b>            |            |        |      |
| <b>CY87</b>               |            |        |      |
| <b>Total or White</b>     |            |        |      |
| 16+ Program Participation |            |        |      |
| Both sexes.....           | -0.0001286 | 21,888 | 0.76 |
| Male .....                | -0.0002704 | 21,888 | 0.76 |
| Female .....              | -0.0002448 | 21,888 | 0.76 |
| All Others                |            |        |      |
| Both sexes.....           | -0.0001177 | 27,137 | 0.84 |
| Male .....                | -0.0002434 | 27,137 | 0.84 |
| Female .....              | -0.0002279 | 27,137 | 0.84 |
| <b>Black</b>              |            |        |      |
| Both sexes.....           | -0.0003639 | 10,040 | 0.51 |
| Male .....                | -0.0007819 | 10,040 | 0.51 |
| Female .....              | -0.0006805 | 10,040 | 0.51 |
| <b>CY88</b>               |            |        |      |
| <b>Total or White</b>     |            |        |      |
| 16+ Program Participation |            |        |      |
| Both sexes.....           | -0.0001401 | 23,857 | 0.79 |
| Male .....                | -0.0002948 | 23,857 | 0.79 |
| Female .....              | -0.0002668 | 23,857 | 0.79 |
| All Others                |            |        |      |
| Both sexes.....           | -0.0001283 | 29,579 | 0.88 |
| Male .....                | -0.0002653 | 29,579 | 0.88 |
| Female .....              | -0.0002484 | 29,579 | 0.88 |
| <b>Black</b>              |            |        |      |
| Both sexes.....           | -0.0003967 | 10,944 | 0.54 |
| Male .....                | -0.0008523 | 10,944 | 0.54 |
| Female .....              | -0.0007418 | 10,944 | 0.54 |

**Table D-4. Standard Errors of Estimated Numbers of Persons**

(Numbers in thousands)

| Size of estimate | Standard error | Size of estimate | Standard error |
|------------------|----------------|------------------|----------------|
| 200 .....        | 87             | 50,000 .....     | 1,222          |
| 300 .....        | 107            | 80,000 .....     | 1,412          |
| 600 .....        | 151            | 100,000 .....    | 1,470          |
| 1,000 .....      | 195            | 130,000 .....    | 1,471          |
| 2,000 .....      | 275            | 135,000 .....    | 1,461          |
| 5,000 .....      | 432            | 150,000 .....    | 1,414          |
| 8,000 .....      | 543            | 200,000 .....    | 1,007          |
| 11,000 .....     | 632            | 220,000 .....    | 622            |
| 13,000 .....     | 684            | 230,000 .....    | 155            |
| 15,000 .....     | 731            |                  |                |
| 17,000 .....     | 775            |                  |                |
| 22,000 .....     | 871            |                  |                |
| 26,000 .....     | 938            |                  |                |
| 30,000 .....     | 998            |                  |                |

**Table D-5. Standard Errors of Estimated Percentages of Persons**

| Base of estimated percentage (thousands) | Estimated Percentages |         |         |          |          |      |
|--|-----------------------|---------|---------|----------|----------|------|
|  | ≤ 1 or ≤ 99           | 2 or 98 | 5 or 95 | 10 or 90 | 25 or 75 | 50   |
| 200 .....                                | 4.3                   | 6.1     | 9.5     | 13.1     | 18.9     | 21.8 |
| 300 .....                                | 3.5                   | 5.0     | 7.8     | 10.7     | 15.4     | 17.8 |
| 600 .....                                | 2.5                   | 3.5     | 5.5     | 7.6      | 10.9     | 12.6 |
| 1,000 .....                              | 1.9                   | 2.7     | 4.3     | 5.9      | 8.5      | 9.8  |
| 2,000 .....                              | 1.4                   | 1.9     | 3.0     | 4.1      | 6.0      | 6.9  |
| 5,000 .....                              | 0.9                   | 1.2     | 1.9     | 2.6      | 3.8      | 4.4  |
| 8,000 .....                              | 0.7                   | 1.0     | 1.5     | 2.1      | 3.0      | 3.5  |
| 11,000 .....                             | 0.6                   | 0.8     | 1.3     | 1.8      | 2.5      | 2.9  |
| 13,000 .....                             | 0.5                   | 0.8     | 1.2     | 1.6      | 2.3      | 2.7  |
| 17,000 .....                             | 0.5                   | 0.7     | 1.0     | 1.4      | 2.1      | 2.4  |
| 22,000 .....                             | 0.4                   | 0.6     | 0.9     | 1.3      | 1.8      | 2.1  |
| 26,000 .....                             | 0.4                   | 0.5     | 0.8     | 1.1      | 1.7      | 1.9  |
| 30,000 .....                             | 0.4                   | 0.5     | 0.8     | 1.1      | 1.5      | 1.8  |
| 50,000 .....                             | 0.3                   | 0.4     | 0.6     | 0.8      | 1.2      | 1.4  |
| 80,000 .....                             | 0.2                   | 0.3     | 0.5     | 0.7      | 0.9      | 1.1  |
| 100,000 .....                            | 0.2                   | 0.3     | 0.4     | 0.6      | 0.9      | 1.0  |
| 130,000 .....                            | 0.2                   | 0.2     | 0.4     | 0.5      | 0.7      | 0.9  |
| 180,000 .....                            | 0.1                   | 0.2     | 0.3     | 0.4      | 0.6      | 0.7  |
| 200,000 .....                            | 0.1                   | 0.2     | 0.3     | 0.4      | 0.6      | 0.7  |
| 230,000 .....                            | 0.1                   | 0.2     | 0.3     | 0.4      | 0.6      | 0.6  |
| 250,000 .....                            | 0.1                   | 0.2     | 0.3     | 0.4      | 0.5      | 0.6  |

**Table D-6. Standard Errors of Monthly Family Benefits From Assistance Programs for Participating Persons, by Selected Characteristics: 1987 and 1988**

| Characteristics   | Standard errors of benefits at selected positions |        |       |        |        |                              |        |       |        |        |
|---|---|--------|-------|--------|--------|------------------------------|--------|-------|--------|--------|
|   | 1987  |        |       |        |        | 1988                         |        |       |        |        |
|   | Upper limit of each quintile                      |        |       |        | Median | Upper limit of each quintile |        |       |        | Median |
|   | Lowest  | Second | Third | Fourth |        | Lowest                       | Second | Third | Fourth |        |
| <b>ONE OR MORE MAJOR ASSISTANCE PROGRAMS<sup>1</sup></b>  |   |        |       |        |        |                              |        |       |        |        |
| All persons . . . . .   | 3.5   | 3.0    | 6.5   | 4.5    | 5.5    | 3.5                          | 2.5    | 4.0   | 5.5    | 5.5    |
| Race and Hispanic origin  |   |        |       |        |        |                              |        |       |        |        |
| White . . . . .   | 3.5   | 7.5    | 6.5   | 5.0    | 4.0    | 4.0                          | 7.5    | 6.5   | 8.5    | 8.5    |
| Black . . . . .   | 3.0   | 0.0    | 3.5   | 4.0    | 2.0    | 2.0                          | 3.0    | 4.0   | 2.5    | 7.0    |
| Hispanic origin <sup>2</sup> . . . . .  | 3.0   | 10.0   | 19.0  | 9.0    | 6.5    | 6.5                          | 17.0   | 19.5  | 16.0   | 3.0    |
| Age   |   |        |       |        |        |                              |        |       |        |        |
| Under 18 years . . . . .  | 3.0   | 8.0    | 6.5   | 8.0    | 9.0    | 3.0                          | 12.5   | 11.0  | 11.0   | 7.0    |
| 18 to 64 years . . . . .  | 5.0   | 5.5    | 4.5   | 7.5    | 6.5    | 5.0                          | 5.0    | 4.5   | 8.0    | 6.5    |
| 65 years and over . . . . .   | 2.5   | 6.0    | 7.0   | 11.0   | 4.5    | 4.0                          | 8.5    | 10.5  | 14.5   | 4.0    |
| Sex   |   |        |       |        |        |                              |        |       |        |        |
| Male . . . . .  | 4.0   | 2.0    | 9.5   | 8.0    | 9.5    | 4.5                          | 5.5    | 8.5   | 8.0    | 9.0    |
| Female . . . . .  | 4.0   | 5.0    | 7.0   | 5.5    | 6.0    | 5.0                          | 5.5    | 5.5   | 7.5    | 7.5    |
| Educational attainment (persons 18 years and over)  |   |        |       |        |        |                              |        |       |        |        |
| Less than 4 years of high school . . . . .  | 5.0   | 5.0    | 5.5   | 8.0    | 6.5    | 4.5                          | 5.5    | 8.5   | 9.0    | 4.0    |
| High school graduate but no college . . . . .   | 5.5   | 5.5    | 13.0  | 9.5    | 9.0    | 6.0                          | 4.0    | 9.0   | 7.0    | 12.0   |
| 1 or more years of college . . . . .  | 7.0   | 9.0    | 4.5   | 21.0   | 11.5   | 10.5                         | 16.5   | 7.0   | 32.5   | 20.5   |
| Disability status (persons 15 to 69 years)  |   |        |       |        |        |                              |        |       |        |        |
| With a work disability . . . . .  | 8.5   | 6.0    | 12.0  | 12.5   | 9.0    | 14.0                         | 9.5    | 8.5   | 11.0   | 8.5    |
| With no work disability . . . . .   | 4.5   | 7.5    | 8.0   | 6.5    | 8.5    | 4.5                          | 9.0    | 9.0   | 9.5    | 11.0   |
| Residence   |   |        |       |        |        |                              |        |       |        |        |
| Metropolitan . . . . .  | 3.0   | 4.0    | 8.5   | 11.0   | 5.5    | 2.5                          | 9.0    | 10.0  | 4.5    | 4.5    |
| Central city . . . . .  | 5.0   | 9.5    | 7.0   | 7.0    | 5.5    | 7.0                          | 8.0    | 6.5   | 7.0    | 8.0    |
| Non-central city . . . . .  | 4.5   | 5.5    | 12.5  | 9.0    | 7.5    | 7.5                          | 6.0    | 12.0  | 9.0    | 14.0   |
| Nonmetropolitan . . . . .   | 2.0   | 3.0    | 7.0   | 6.5    | 11.0   | 5.0                          | 3.5    | 6.5   | 12.0   | 8.5    |
| Family status   |   |        |       |        |        |                              |        |       |        |        |
| In families . . . . .   | 2.5   | 3.0    | 5.0   | 6.5    | 4.5    | 4.5                          | 7.5    | 10.5  | 4.0    | 6.0    |
| In families with related children under 18 years . . . . .  | 5.0   | 8.0    | 6.5   | 7.0    | 4.5    | 4.0                          | 6.5    | 5.5   | 9.0    | 4.5    |
| In married-couple families . . . . .  | 2.5   | 5.0    | 4.0   | 11.0   | 3.5    | 3.5                          | 3.5    | 6.5   | 5.0    | 7.0    |
| In married-couple families with related children under 18 years . . . . .                               | 3.0   | 4.0    | 8.5   | 18.5   | 9.5    | 5.0                          | 5.5    | 11.5  | 15.5   | 7.5    |
| In families with a female householder, no spouse present . . . . .                                      | 7.0   | 5.0    | 5.5   | 6.0    | 7.5    | 5.5                          | 6.0    | 8.5   | 7.5    | 4.5    |
| In families with a female householder, no spouse present with related children under 18 years . . . . . | 5.0   | 5.0    | 5.5   | 4.0    | 4.5    | 4.5                          | 4.5    | 6.5   | 9.5    | 8.0    |
| Unrelated individuals . . . . .   | 4.5   | 6.0    | 12.5  | 7.5    | 8.0    | 3.0                          | 11.5   | 9.5   | 10.0   | 10.5   |
| In non-family households . . . . .  | 5.0   | 4.0    | 11.5  | 6.5    | 9.0    | 3.5                          | 9.0    | 7.5   | 9.0    | 10.0   |
| Employment status (persons 18 years and over)   |   |        |       |        |        |                              |        |       |        |        |
| Employed full-time . . . . .  | 6.0   | 6.0    | 9.0   | 13.0   | 9.5    | 4.5                          | 7.5    | 13.5  | 16.5   | 8.5    |
| Employed part-time . . . . .  | 11.0  | 9.0    | 12.5  | 27.5   | 10.5   | 5.0                          | 11.5   | 5.5   | 23.0   | 12.0   |
| Unemployed . . . . .  | 10.5  | 16.0   | 11.5  | 11.5   | 16.5   | 11.0                         | 13.5   | 12.5  | 14.5   | 13.0   |
| Not in the labor force . . . . .  | 4.5   | 6.0    | 4.0   | 7.0    | 8.0    | 6.0                          | 7.5    | 6.5   | 11.5   | 6.5    |
| Family income-to-poverty ratio <sup>3</sup>   |   |        |       |        |        |                              |        |       |        |        |
| Under 1.00 . . . . .  | 3.5   | 5.5    | 5.0   | 6.5    | 4.5    | 4.0                          | 8.0    | 6.0   | 5.0    | 6.0    |
| Under .50 . . . . .   | 6.0   | 5.0    | 4.0   | 4.0    | 5.0    | 4.0                          | 9.5    | 6.5   | 9.5    | 6.5    |
| .50 to .74 . . . . .  | 6.5   | 8.5    | 10.0  | 4.0    | 15.5   | 11.0                         | 8.5    | 11.5  | 11.0   | 8.0    |
| .75 to .99 . . . . .  | 4.5   | 7.0    | 13.5  | 19.0   | 11.0   | 4.0                          | 7.5    | 16.5  | 25.5   | 12.0   |
| 1.00 and above . . . . .  | 4.5   | 4.5    | 4.5   | 13.0   | 12.0   | 3.0                          | 7.0    | 4.0   | 4.0    | 11.0   |
| 1.00 to 1.24 . . . . .  | 7.5   | 12.5   | 27.0  | 19.0   | 22.0   | 4.0                          | 16.0   | 24.5  | 20.0   | 8.0    |
| 1.25 to 1.49 . . . . .  | 6.5   | 13.5   | 14.0  | 40.5   | 25.5   | 8.0                          | 24.0   | 19.0  | 54.0   | 17.5   |
| 1.50 to 1.99 . . . . .  | 8.5   | 16.0   | 21.5  | 26.0   | 22.0   | 12.0                         | 20.0   | 22.0  | 18.5   | 24.5   |
| 2.00 to 2.99 . . . . .  | 7.0   | 12.0   | 8.5   | 17.5   | 23.0   | 5.0                          | 8.5    | 26.0  | 35.5   | 11.0   |
| 3.00 and over . . . . .   | 17.0  | 4.0    | 12.0  | 32.5   | 21.0   | 10.5                         | 6.0    | 11.5  | 18.0   | 30.0   |
| Family premeans-tested cash income-to-poverty ratio <sup>4</sup>  |   |        |       |        |        |                              |        |       |        |        |
| Under 1.00 . . . . .  | 3.0   | 6.0    | 6.0   | 8.0    | 5.5    | 6.0                          | 6.0    | 8.0   | 6.5    | 3.0    |
| Under .50 . . . . .   | 2.0   | 4.5    | 3.5   | 4.5    | 6.0    | 3.5                          | 5.5    | 5.0   | 8.5    | 5.5    |
| .50 to .74 . . . . .  | 3.0   | 5.5    | 5.5   | 8.5    | 4.0    | 4.0                          | 8.0    | 7.0   | 10.0   | 5.0    |
| .75 to .99 . . . . .  | 4.0   | 4.0    | 9.0   | 11.0   | 4.0    | 4.0                          | 6.5    | 4.0   | 16.0   | 8.0    |
| 1.00 and above . . . . .  | 4.0   | 7.5    | 2.5   | 4.5    | 7.5    | 2.0                          | 10.5   | 5.0   | 10.0   | 6.0    |
| 1.00 to 1.24 . . . . .  | 5.5   | 5.0    | 9.0   | 10.5   | 11.0   | 5.0                          | 4.0    | 11.5  | 13.5   | 16.0   |
| 1.25 to 1.49 . . . . .  | 10.0  | 8.5    | 15.5  | 19.0   | 8.5    | 13.5                         | 17.5   | 23.0  | 22.0   | 8.0    |
| 1.50 to 1.99 . . . . .  | 5.0   | 6.0    | 19.0  | 10.5   | 23.0   | 8.5                          | 17.5   | 10.5  | 35.5   | 16.5   |
| 2.00 to 2.99 . . . . .  | 6.0   | 24.5   | 26.0  | 11.5   | 9.5    | 5.0                          | 16.5   | 18.0  | 17.0   | 6.0    |
| 3.00 and over . . . . .   | 13.0  | 16.0   | 18.5  | 35.0   | 33.0   | 8.0                          | 18.5   | 25.5  | 32.5   | 24.0   |
| Family pre-transfer income-to-poverty ratio <sup>5</sup>  |   |        |       |        |        |                              |        |       |        |        |
| Under 1.00 . . . . .  | 3.5   | 5.0    | 7.0   | 4.0    | 4.5    | 2.0                          | 6.5    | 7.5   | 4.5    | 6.5    |
| Under .50 . . . . .   | 5.0   | 5.0    | 6.0   | 7.5    | 4.5    | 5.0                          | 4.5    | 6.5   | 10.5   | 5.0    |
| .50 to .74 . . . . .  | 9.5   | 4.0    | 14.5  | 14.0   | 7.5    | 10.5                         | 6.5    | 22.0  | 20.5   | 6.5    |
| .75 to .99 . . . . .  | 3.5   | 6.0    | 4.5   | 14.0   | 7.0    | 8.0                          | 9.0    | 10.5  | 25.5   | 6.0    |
| 1.00 and above . . . . .  | 5.5   | 6.0    | 17.5  | 14.0   | 8.0    | 2.0                          | 6.0    | 11.5  | 16.0   | 6.0    |
| 1.00 to 1.24 . . . . .  | 9.0   | 11.5   | 10.5  | 27.0   | 12.0   | 2.0                          | 6.0    | 9.5   | 23.5   | 22.0   |
| 1.25 to 1.49 . . . . .  | 8.5   | 7.0    | 22.0  | 7.0    | 18.0   | 8.0                          | 13.5   | 15.5  | 39.0   | 14.5   |
| 1.50 to 1.99 . . . . .  | 9.5   | 4.5    | 18.0  | 24.5   | 21.0   | 14.0                         | 19.5   | 3.5   | 14.5   | 11.5   |
| 2.00 to 2.99 . . . . .  | 12.5  | 19.0   | 21.0  | 27.5   | 6.5    | 4.5                          | 17.5   | 39.0  | 23.0   | 5.0    |
| 3.00 and over . . . . .   | 18.0  | 12.5   | 8.0   | 25.5   | 23.0   | 10.5                         | 13.5   | 20.5  | 21.0   | 31.0   |

See footnotes at end of table.

**Table D-6. Standard Errors of Monthly Family Benefits From Assistance Programs for Participating Persons, by Selected Characteristics: 1987 and 1988—Continued**

| Characteristics  | Standard errors of benefits at selected positions |        |       |        |        |                              |        |       |        |      |        |  |
|--|---|--------|-------|--------|--------|------------------------------|--------|-------|--------|------|--------|--|
|  | 1987  |        |       |        |        | 1988                         |        |       |        |      | Median |  |
|  | Upper limit of each quintile                      |        |       |        | Median | Upper limit of each quintile |        |       |        |      |        |  |
|  | Lowest  | Second | Third | Fourth |        | Lowest                       | Second | Third | Fourth |      |        |  |
| <b>AFDC OR OTHER CASH ASSISTANCE</b>   |   |        |       |        |        |                              |        |       |        |      |        |  |
| All persons . . . . .  | 4.5   | 2.0    | 5.0   | 7.5    | 4.0    | 7.0                          | 4.0    | 7.5   | 11.0   | 5.5  |        |  |
| <b>Race and Hispanic origin</b>  |   |        |       |        |        |                              |        |       |        |      |        |  |
| White . . . . .  | 7.0   | 5.5    | 2.0   | 7.0    | 6.0    | 6.5                          | 2.5    | 5.0   | 12.5   | 2.5  |        |  |
| Black . . . . .  | 2.5   | 3.0    | 9.0   | 4.0    | 7.5    | 2.0                          | 0.0    | 6.0   | 10.0   | 5.0  |        |  |
| Hispanic origin <sup>2</sup> . . . . .   | 8.5   | 12.5   | 12.5  | 3.0    | 7.0    | 7.5                          | 5.5    | 7.5   | 16.5   | 25.0 |        |  |
| <b>Age</b>   |   |        |       |        |        |                              |        |       |        |      |        |  |
| Under 18 years . . . . .   | 8.5   | 8.5    | 11.5  | 6.0    | 6.0    | 2.0                          | 6.5    | 1.5   | 17.0   | 3.5  |        |  |
| 18 to 64 years . . . . .   | 4.0   | 4.0    | 5.0   | 11.0   | 6.5    | 2.5                          | 3.5    | 9.0   | 6.0    | 7.0  |        |  |
| 65 years and over . . . . .  | 3.0   | 6.5    | 19.5  | 51.0   | 1.0    | 2.0                          | 5.5    | 7.5   | 53.0   | 1.5  |        |  |
| <b>Sex</b>   |   |        |       |        |        |                              |        |       |        |      |        |  |
| Male . . . . .   | 8.0   | 9.0    | 6.5   | 7.5    | 5.5    | 4.0                          | 8.0    | 6.5   | 19.5   | 10.5 |        |  |
| Female . . . . .   | 2.0   | 2.0    | 6.5   | 6.5    | 11.0   | 2.0                          | 5.0    | 10.0  | 6.0    | 5.0  |        |  |
| <b>Educational attainment (persons 18 years and over)</b>  |   |        |       |        |        |                              |        |       |        |      |        |  |
| Less than 4 years of high school . . . . .   | 9.5   | 5.0    | 9.5   | 17.5   | 12.0   | 3.0                          | 3.5    | 11.0  | 4.5    | 8.0  |        |  |
| High school graduate but no college . . . . .  | 8.5   | 10.0   | 20.0  | 10.5   | 6.0    | 5.5                          | 5.0    | 18.5  | 8.0    | 11.0 |        |  |
| 1 or more years of college . . . . .   | 22.5  | 15.0   | 27.5  | 30.5   | 7.5    | 15.5                         | 22.5   | 31.5  | 19.5   | 15.5 |        |  |
| <b>Disability status (persons 15 to 69 years)</b>  |   |        |       |        |        |                              |        |       |        |      |        |  |
| With a work disability . . . . .   | 11.5  | 8.0    | 22.0  | 13.0   | 15.5   | 9.5                          | 17.0   | 16.0  | 6.0    | 20.0 |        |  |
| With no work disability . . . . .  | 8.0   | 5.5    | 13.0  | 11.5   | 11.0   | 7.5                          | 11.0   | 3.5   | 8.5    | 6.5  |        |  |
| <b>Residence</b>   |   |        |       |        |        |                              |        |       |        |      |        |  |
| Metropolitan . . . . .   | 4.5   | 5.0    | 9.0   | 4.5    | 3.0    | 4.0                          | 4.0    | 2.5   | 7.0    | 7.5  |        |  |
| Central city . . . . .   | 8.5   | 5.0    | 9.0   | 5.0    | 4.0    | 2.0                          | 6.5    | 3.5   | 5.5    | 4.5  |        |  |
| Non-central city . . . . .   | 10.0  | 9.0    | 21.5  | 26.0   | 0.0    | 2.0                          | 9.0    | 20.5  | 82.5   | 7.0  |        |  |
| Nonmetropolitan . . . . .  | 4.0   | 11.0   | 5.0   | 14.5   | 6.0    | 5.5                          | 8.0    | 12.5  | 7.5    | 7.0  |        |  |
| <b>Family status</b>   |   |        |       |        |        |                              |        |       |        |      |        |  |
| In families . . . . .  | 3.5   | 4.5    | 4.5   | 4.5    | 3.5    | 1.5                          | 6.0    | 5.0   | 10.0   | 5.0  |        |  |
| In families with related children under 18 years . . . . .   | 2.0   | 5.0    | 5.0   | 3.5    | 2.5    | 5.5                          | 4.0    | 4.0   | 9.0    | 6.0  |        |  |
| In married-couple families . . . . .   | 9.0   | 15.0   | 10.0  | 31.5   | 11.0   | 10.0                         | 8.0    | 18.0  | 16.5   | 17.5 |        |  |
| In married-couple families with related children under 18 years  | 8.0   | 10.5   | 9.0   | 25.5   | 18.5   | 13.0                         | 6.5    | 14.5  | 23.5   | 4.0  |        |  |
| In families with a female householder, no spouse present . . . . .                                       | 5.0   | 4.0    | 6.0   | 6.5    | 8.5    | 5.5                          | 5.0    | 5.0   | 11.0   | 4.5  |        |  |
| In families with a female householder, no spouse present, with related children under 18 years . . . . . | 3.0   | 5.0    | 6.0   | 7.0    | 7.5    | 3.5                          | 4.5    | 6.0   | 11.0   | 5.5  |        |  |
| Unrelated individuals . . . . .  | 14.5  | 18.0   | 8.0   | 17.0   | 4.5    | 8.5                          | 16.0   | 4.5   | 24.0   | 20.5 |        |  |
| In non-family households . . . . .   | 14.5  | 17.5   | 8.5   | 21.0   | 4.5    | 11.0                         | 21.0   | 13.0  | 27.5   | 18.5 |        |  |
| <b>Employment status (persons 18 years and over)</b>   |   |        |       |        |        |                              |        |       |        |      |        |  |
| Employed full-time . . . . .   | 7.0   | 41.5   | 10.5  | 29.5   | 19.5   | 7.0                          | 12.0   | 20.0  | 48.5   | 33.5 |        |  |
| Employed part-time . . . . .   | 11.0  | 23.5   | 31.5  | 45.0   | 13.0   | 10.5                         | 14.5   | 15.0  | 20.0   | 18.0 |        |  |
| Unemployed . . . . .   | 11.0  | 17.5   | 14.0  | 18.5   | 6.0    | 7.0                          | 4.0    | 15.0  | 13.5   | 18.0 |        |  |
| Not in the labor force . . . . .   | 7.0   | 4.0    | 11.0  | 13.5   | 10.5   | 12.5                         | 9.0    | 12.0  | 8.5    | 5.0  |        |  |
| <b>Family income-to-poverty ratio<sup>3</sup></b>  |   |        |       |        |        |                              |        |       |        |      |        |  |
| Under 100 . . . . .  | 4.5   | 0.5    | 4.0   | 3.5    | 4.0    | 4.0                          | 4.0    | 8.5   | 11.0   | 5.5  |        |  |
| Under .50 . . . . .  | 5.0   | 2.0    | 7.5   | 9.0    | 2.5    | 8.0                          | 0.5    | 5.0   | 2.0    | 10.5 |        |  |
| .50 to .74 . . . . .   | 9.0   | 6.0    | 10.0  | 2.0    | 5.5    | 2.5                          | 10.0   | 6.0   | 14.5   | 5.0  |        |  |
| .75 to .99 . . . . .   | 13.0  | 14.0   | 12.5  | 1.5    | 19.5   | 17.0                         | 17.0   | 16.0  | 14.0   | 12.5 |        |  |
| 1.00 and above . . . . .   | 11.5  | 4.0    | 10.5  | 39.0   | 25.0   | 14.0                         | 7.5    | 25.0  | 10.5   | 10.0 |        |  |
| 1.00 to 1.24 . . . . .   | 8.0   | 41.0   | 30.5  | 35.5   | 10.5   | 26.5                         | 15.5   | 30.0  | 33.0   | 41.0 |        |  |
| 1.25 to 1.49 . . . . .   | 12.5  | 14.5   | 26.5  | 14.0   | 12.5   | 14.5                         | 27.5   | 9.0   | 44.0   |      |        |  |
| 1.50 to 1.99 . . . . .   | 19.5  | 18.5   | 29.0  | 17.0   | 10.0   | 27.0                         | 18.5   | 16.0  | 15.0   | 21.5 |        |  |
| 2.00 to 2.99 . . . . .   | 26.0  | 4.0    | 4.0   | 8.5    | 17.5   | 15.5                         | 19.0   | 27.5  | 0.5    | 21.5 |        |  |
| 3.00 and over . . . . .  | 9.5   | 61.5   | 8.5   | 47.5   | 15.5   | 26.5                         | 54.0   | 20.5  | 22.0   | 39.5 |        |  |
| <b>Family premeans-tested cash income-to-poverty ratio<sup>4</sup></b>                                   |   |        |       |        |        |                              |        |       |        |      |        |  |
| Under 1.00 . . . . .   | 4.0   | 4.5    | 5.5   | 5.0    | 3.0    | 5.0                          | 6.0    | 4.0   | 8.5    | 10.5 |        |  |
| Under .50 . . . . .  | 4.0   | 8.0    | 8.0   | 6.0    | 4.5    | 2.5                          | 5.5    | 1.5   | 11.5   | 2.5  |        |  |
| .50 to .74 . . . . .   | 16.0  | 17.0   | 13.0  | 9.0    | 4.0    | 3.0                          | 16.0   | 17.0  | 21.0   | 16.5 |        |  |
| .75 to .99 . . . . .   | 8.0   | 27.0   | 28.0  | 37.5   | 21.5   | 20.5                         | 30.5   | 30.0  | 26.0   | 23.0 |        |  |
| 1.00 and above . . . . .   | 15.0  | 8.0    | 6.0   | 31.0   | 7.0    | 3.5                          | 16.5   | 11.5  | 33.0   | 15.5 |        |  |
| 1.00 to 1.24 . . . . .   | 21.5  | 24.5   | 11.0  | 54.5   | 18.5   | 21.5                         | 14.5   | 24.5  | 52.0   | 24.0 |        |  |
| 1.25 to 1.49 . . . . .   | 33.5  | 14.0   | 27.0  | 57.5   | 25.0   | 2.5                          | 23.5   | 18.0  | 21.5   | 38.0 |        |  |
| 1.50 to 1.99 . . . . .   | 19.5  | 21.0   | 16.0  | 44.5   | 6.5    | 5.0                          | 34.5   | 28.5  | 1.5    | 24.5 |        |  |
| 2.00 to 2.99 . . . . .   | 21.5  | 9.5    | 7.0   | 37.5   | 9.5    | 17.0                         | 19.5   | 24.0  | 49.5   | 9.5  |        |  |
| 3.00 and over . . . . .  | 12.5  | 81.0   | 8.5   | 62.0   | 23.0   | 10.0                         | 50.0   | 54.0  | 22.0   | 54.5 |        |  |
| <b>Family pre-transfer income-to-poverty ratio<sup>5</sup></b>   |   |        |       |        |        |                              |        |       |        |      |        |  |
| Under 1.00 . . . . .   | 3.0   | 4.5    | 5.0   | 4.0    | 3.0    | 4.5                          | 6.0    | 3.0   | 8.5    | 8.5  |        |  |
| Under .50 . . . . .  | 3.0   | 6.0    | 7.5   | 6.0    | 2.5    | 3.0                          | 7.0    | 5.0   | 11.0   | 9.5  |        |  |
| .50 to .74 . . . . .   | 20.0  | 11.0   | 36.0  | 13.0   | 9.5    | 5.5                          | 15.5   | 29.5  | 26.5   | 21.0 |        |  |
| .75 to .99 . . . . .   | 6.0   | 36.0   | 36.0  | 14.0   | 14.5   | 14.5                         | 20.0   | 26.5  | 81.0   | 16.0 |        |  |
| 1.00 and above . . . . .   | 10.5  | 9.0    | 6.0   | 29.0   | 3.0    | 4.0                          | 17.0   | 16.0  | 37.5   | 12.0 |        |  |
| 1.00 to 1.24 . . . . .   | 28.5  | 26.5   | 5.5   | 55.5   | 29.0   | 29.5                         | 21.5   | 10.0  | 59.0   | 40.0 |        |  |
| 1.25 to 1.49 . . . . .   | 23.0  | 7.5    | 35.5  | 41.5   | 20.0   | 9.0                          | 29.5   | 44.5  | 9.5    | 44.0 |        |  |
| 1.50 to 1.99 . . . . .   | 26.0  | 20.0   | 15.0  | 45.0   | 16.5   | 3.0                          | 44.0   | 24.5  | 47.5   | 25.0 |        |  |
| 2.00 to 2.99 . . . . .   | 21.5  | 20.0   | 6.5   | 34.0   | 7.0    | 20.5                         | 19.5   | 32.5  | 62.0   | 1.0  |        |  |
| 3.00 and over . . . . .  | 4.5   | 82.0   | 20.0  | 62.0   | 43.5   | 24.0                         | 57.0   | 99.5  | 12.0   | 50.0 |        |  |

See footnotes at end of table.

**Table D-6. Standard Errors of Monthly Family Benefits From Assistance Programs for Participating Persons, by Selected Characteristics: 1987 and 1988—Continued**

| Characteristics  | Standard errors of benefits at selected positions |        |       |        |        |                              |        |       |        |        |
|--|---|--------|-------|--------|--------|------------------------------|--------|-------|--------|--------|
|  | 1987  |        |       |        |        | 1988                         |        |       |        |        |
|  | Upper limit of each quintile                      |        |       |        | Median | Upper limit of each quintile |        |       |        | Median |
|  | Lowest  | Second | Third | Fourth |        | Lowest                       | Second | Third | Fourth |        |
| <b>SUPPLEMENTAL SECURITY INCOME</b>  |   |        |       |        |        |                              |        |       |        |        |
| All persons . . . . .  | 5.0   | 8.5    | 7.0   | 8.5    | 14.0   | 4.0                          | 9.5    | 7.0   | 7.0    | 7.5    |
| Race and Hispanic origin   |   |        |       |        |        |                              |        |       |        |        |
| White . . . . .  | 4.5   | 9.0    | 12.0  | 11.5   | 8.5    | 6.5                          | 10.0   | 12.5  | 11.5   | 13.0   |
| Black . . . . .  | 5.0   | 5.5    | 0.0   | 5.5    | 9.5    | 1.5                          | 4.0    | 10.5  | 8.5    | 15.5   |
| Hispanic origin <sup>2</sup> . . . . .   | 17.0  | 27.0   | 6.0   | 81.0   | 22.5   | 30.5                         | 21.0   | 1.0   | 73.5   | 31.5   |
| Age  |   |        |       |        |        |                              |        |       |        |        |
| Under 18 years . . . . .   | X   | X      | X     | X      | X      | X                            | X      | X     | X      | X      |
| 18 to 64 years . . . . .   | 13.0  | 10.5   | 0.0   | 13.5   | 7.0    | 5.5                          | 9.0    | 1.5   | 17.0   | 5.5    |
| 65 years and over . . . . .  | 3.5   | 3.0    | 8.5   | 14.5   | 5.5    | 5.5                          | 5.0    | 12.0  | 14.5   | 8.5    |
| Sex  |   |        |       |        |        |                              |        |       |        |        |
| Male . . . . .   | 14.0  | 7.0    | 6.5   | 16.0   | 12.0   | 13.0                         | 8.5    | 6.0   | 25.5   | 10.5   |
| Female . . . . .   | 4.0   | 5.5    | 10.5  | 13.0   | 14.5   | 4.0                          | 7.5    | 8.5   | 9.0    | 15.0   |
| Educational attainment (persons 18 years and over)   |   |        |       |        |        |                              |        |       |        |        |
| Less than 4 years of high school . . . . .   | 4.0   | 11.0   | 12.5  | 6.0    | 3.0    | 5.5                          | 9.0    | 15.0  | 12.5   | 10.0   |
| High school graduate but no college . . . . .  | 7.5   | 10.0   | 0.0   | 16.0   | 8.0    | 17.5                         | 23.5   | 1.5   | 54.0   | 8.0    |
| 1 or more years of college . . . . .   | 42.5  | 27.5   | 3.5   | 18.5   | 1.0    | 27.5                         | 30.0   | 4.0   | 27.5   | 0.0    |
| Disability status (persons 15 to 69 years)   |   |        |       |        |        |                              |        |       |        |        |
| With a work disability . . . . .   | 15.5  | 16.5   | 0.0   | 21.0   | 8.5    | 10.0                         | 7.0    | 0.0   | 14.0   | 12.5   |
| With no work disability . . . . .  | 11.5  | 51.0   | 11.0  | 13.5   | 0.5    | 22.5                         | 33.0   | 7.5   | 54.0   | 16.0   |
| Residence  |   |        |       |        |        |                              |        |       |        |        |
| Metropolitan . . . . .   | 8.0   | 6.5    | 0.0   | 6.5    | 7.0    | 16.0                         | 10.5   | 0.0   | 17.0   | 8.0    |
| Central city . . . . .   | 8.5   | 15.0   | 0.0   | 9.0    | 8.0    | 13.5                         | 15.5   | 0.0   | 11.0   | 11.5   |
| Non-central city . . . . .   | 11.5  | 3.5    | 10.5  | 12.0   | 17.0   | 27.0                         | 19.0   | 0.0   | 46.0   | 12.5   |
| Nonmetropolitan . . . . .  | 3.5   | 4.5    | 24.5  | 2.0    | 10.5   | 4.0                          | 11.0   | 10.0  | 25.0   | 4.0    |
| Family status  |   |        |       |        |        |                              |        |       |        |        |
| In families . . . . .  | 7.5   | 1.5    | 0.0   | 19.5   | 11.0   | 14.5                         | 12.0   | 0.0   | 17.0   | 11.0   |
| In families with related children under 18 years . . . . .   | 8.5   | 16.5   | 0.0   | 24.5   | 3.5    | 9.5                          | 14.0   | 3.0   | 20.5   | 0.0    |
| In married-couple families . . . . .   | 17.5  | 3.5    | 12.5  | 22.5   | 20.0   | 14.0                         | 7.5    | 0.0   | 33.0   | 15.0   |
| In married-couple families with related children under 18 years . . . . .                                | 24.0  | 36.5   | 0.0   | 18.5   | 9.0    | 38.0                         | 16.5   | 3.5   | 34.5   | 0.0    |
| In families with a female householder, no spouse present . . . . .                                       | 14.0  | 34.5   | 0.0   | 51.5   | 9.0    | 17.5                         | 17.0   | 0.0   | 45.0   | 19.5   |
| In families with a female householder, no spouse present, with related children under 18 years . . . . . | 14.5  | 21.5   | 0.0   | 12.5   | 0.0    | 7.5                          | 30.0   | 3.0   | 14.0   | 2.5    |
| Unrelated individuals . . . . .  | 7.0   | 8.0    | 10.5  | 6.0    | 12.0   | 6.5                          | 13.0   | 10.5  | 10.0   | 14.0   |
| In non-family households . . . . .   | 8.0   | 6.0    | 12.0  | 7.0    | 14.5   | 6.0                          | 11.5   | 6.0   | 10.0   | 12.0   |
| Employment status (persons 18 years and over)  |   |        |       |        |        |                              |        |       |        |        |
| Employed full-time . . . . .   | 56.0  | 22.0   | 7.5   | 35.5   | 17.5   | 31.0                         | 32.0   | 17.5  | 15.5   | 17.5   |
| Employed part-time . . . . .   | 29.5  | 37.0   | 51.0  | 51.5   | 23.0   | 9.0                          | 23.0   | 24.5  | 41.5   | 26.0   |
| Unemployed . . . . .   | 48.0  | 77.5   | 0.0   | 14.5   | 0.5    | 80.0                         | 35.0   | 30.0  | 149.0  | 5.0    |
| Not in the labor force . . . . .   | 3.5   | 7.5    | 7.0   | 7.5    | 12.5   | 4.0                          | 7.0    | 6.5   | 7.0    | 9.0    |
| Family income-to-poverty ratio <sup>3</sup>  |   |        |       |        |        |                              |        |       |        |        |
| Under 100 . . . . .  | 7.5   | 10.5   | 16.0  | 4.0    | 8.5    | 8.5                          | 11.5   | 15.0  | 3.5    | 7.5    |
| Under .50 . . . . .  | 13.5  | 16.5   | 0.0   | 0.0    | 60.5   | 24.5                         | 34.0   | 42.5  | 7.5    | 26.5   |
| .50 to .74 . . . . .   | 9.0   | 20.5   | 0.0   | 0.0    | 17.0   | 20.0                         | 31.5   | 3.0   | 0.5    | 14.0   |
| .75 to .99 . . . . .   | 9.0   | 3.5    | 8.5   | 8.5    | 12.5   | 11.0                         | 7.0    | 11.0  | 18.5   | 15.0   |
| 1.00 and above . . . . .   | 9.0   | 5.0    | 0.0   | 31.0   | 8.5    | 13.0                         | 13.5   | 6.0   | 16.5   | 12.5   |
| 1.00 to 1.24 . . . . .   | 17.0  | 23.5   | 12.5  | 21.0   | 13.0   | 11.0                         | 24.0   | 27.5  | 24.0   | 21.0   |
| 1.25 to 1.49 . . . . .   | 24.5  | 22.5   | 13.5  | 15.0   | 27.0   | 21.5                         | 28.0   | 22.0  | 37.0   | 13.0   |
| 1.50 to 1.99 . . . . .   | 19.5  | 15.5   | 16.0  | 43.5   | 36.0   | 11.5                         | 44.5   | 21.0  | 33.5   | 17.5   |
| 2.00 to 2.99 . . . . .   | 8.5   | 4.5    | 26.0  | 20.0   | 15.5   | 23.0                         | 11.5   | 28.5  | 15.0   | 22.5   |
| 3.00 and over . . . . .  | 30.5  | 35.5   | 4.0   | 11.5   | 18.5   | 27.5                         | 25.0   | 9.0   | 24.5   | 20.5   |
| Family premeans-tested cash income-to-poverty ratio <sup>4</sup>   |   |        |       |        |        |                              |        |       |        |        |
| Under 1.00 . . . . .   | 7.0   | 10.0   | 0.0   | 7.0    | 12.5   | 5.5                          | 5.0    | 0.0   | 16.0   | 12.5   |
| Under .50 . . . . .  | 8.0   | 6.5    | 5.0   | 12.0   | 0.0    | 7.0                          | 10.0   | 10.0  | 16.0   | 0.0    |
| .50 to .74 . . . . .   | 10.5  | 13.5   | 20.5  | 14.0   | 4.0    | 5.5                          | 14.0   | 22.5  | 10.5   | 6.0    |
| .75 to .99 . . . . .   | 18.0  | 11.5   | 20.0  | 29.5   | 20.0   | 13.0                         | 19.0   | 16.0  | 27.0   | 15.5   |
| 1.00 and above . . . . .   | 5.5   | 15.5   | 12.0  | 11.0   | 1.5    | 6.5                          | 14.0   | 7.5   | 11.0   | 12.0   |
| 1.00 to 1.24 . . . . .   | 12.0  | 25.0   | 36.5  | 15.0   | 14.0   | 9.5                          | 34.5   | 31.0  | 35.5   | 17.0   |
| 1.25 to 1.49 . . . . .   | 7.5   | 17.0   | 45.0  | 9.0    | 28.5   | 32.0                         | 19.0   | 39.0  | 6.0    | 54.0   |
| 1.50 to 1.99 . . . . .   | 9.5   | 24.5   | 44.5  | 47.0   | 16.0   | 15.5                         | 32.0   | 23.0  | 9.5    | 32.0   |
| 2.00 to 2.99 . . . . .   | 8.5   | 29.5   | 31.0  | 4.5    | 1.5    | 20.0                         | 18.0   | 17.5  | 16.0   | 45.0   |
| 3.00 and over . . . . .  | 29.0  | 36.5   | 2.0   | 16.5   | 18.5   | 35.0                         | 35.5   | 14.5  | 39.5   | 19.5   |
| Family pre-transfer income-to-poverty ratio <sup>5</sup>   |   |        |       |        |        |                              |        |       |        |        |
| Under 1.00 . . . . .   | 4.0   | 7.0    | 5.5   | 8.5    | 14.0   | 6.5                          | 11.5   | 7.5   | 12.5   | 11.5   |
| Under .50 . . . . .  | 5.0   | 7.0    | 6.5   | 11.5   | 17.0   | 6.5                          | 7.0    | 9.0   | 12.5   | 16.5   |
| .50 to .74 . . . . .   | 36.5  | 27.5   | 9.5   | 26.5   | 42.0   | 49.5                         | 31.5   | 13.0  | 102.0  | 42.0   |
| .75 to .99 . . . . .   | 40.0  | 42.5   | 27.5  | 70.0   | 37.0   | 43.5                         | 26.0   | 20.0  | 66.0   | 20.5   |
| 1.00 and above . . . . .   | 15.0  | 1.0    | 16.0  | 27.0   | 26.0   | 14.5                         | 5.0    | 15.0  | 24.0   | 15.5   |
| 1.00 to 1.24 . . . . .   | 36.5  | 26.0   | 18.0  | 24.0   | 14.0   | 27.0                         | 48.5   | 15.0  | 18.5   | 32.0   |
| 1.25 to 1.49 . . . . .   | 16.0  | 46.0   | 18.0  | 33.0   | 34.0   | 5.0                          | 23.5   | 24.0  | 27.5   | 41.0   |
| 1.50 to 1.99 . . . . .   | 9.5   | 30.0   | 41.0  | 46.0   | 35.5   | 21.0                         | 21.5   | 35.5  | 8.5    | 19.5   |
| 2.00 to 2.99 . . . . .   | 25.0  | 2.0    | 45.5  | 29.5   | 3.5    | 47.0                         | 48.5   | 1.5   | 39.0   | 27.0   |
| 3.00 and over . . . . .  | 36.5  | 30.0   | 16.0  | 0.0    | 20.5   | 25.5                         | 35.5   | 13.0  | 43.0   | 20.0   |

See footnotes at end of table.

**Table D-6. Standard Errors of Monthly Family Benefits From Assistance Programs for Participating Persons, by Selected Characteristics: 1987 and 1988—Continued**

| Characteristics  | Standard errors of benefits at selected positions |        |       |        |        |                              |        |       |        |        |
|--|---|--------|-------|--------|--------|------------------------------|--------|-------|--------|--------|
|  | 1987  |        |       |        | 1988   |                              |        |       |        |        |
|  | Upper limit of each quintile                      |        |       |        | Median | Upper limit of each quintile |        |       |        | Median |
|  | Lowest  | Second | Third | Fourth |        | Lowest                       | Second | Third | Fourth |        |
| <b>FOOD STAMPS</b>   |   |        |       |        |        |                              |        |       |        |        |
| All persons . . . . .  | 1.5   | 2.0    | 2.0   | 1.5    | 0.0    | 1.0                          | 1.5    | 3.0   | 1.5    | 1.5    |
| Race and Hispanic origin   |   |        |       |        |        |                              |        |       |        |        |
| White . . . . .  | 1.5   | 1.5    | 2.0   | 3.0    | 2.5    | 2.5                          | 1.0    | 2.5   | 2.5    | 1.0    |
| Black . . . . .  | 2.0   | 1.5    | 1.5   | 4.0    | 0.0    | 1.0                          | 1.5    | 1.5   | 2.5    | 1.5    |
| Hispanic origin <sup>1</sup> . . . . .   | 1.0   | 5.5    | 1.5   | 1.5    | 1.5    | 1.0                          | 3.0    | 5.0   | 7.5    | 5.5    |
| Age  |   |        |       |        |        |                              |        |       |        |        |
| Under 18 years . . . . .   | 1.5   | 1.5    | 1.0   | 2.0    | 2.0    | 3.0                          | 0.5    | 2.5   | 3.0    | 3.5    |
| 18 to 64 years . . . . .   | 2.0   | 2.0    | 1.5   | 2.0    | 2.0    | 1.0                          | 2.5    | 2.5   | 3.5    | 3.0    |
| 65 years and over . . . . .  | 0.0   | 0.5    | 2.0   | 4.0    | 1.5    | 0.0                          | 2.0    | 1.0   | 4.5    | 3.0    |
| Sex  |   |        |       |        |        |                              |        |       |        |        |
| Male . . . . .   | 1.5   | 2.5    | 3.5   | 2.5    | 2.0    | 1.5                          | 3.0    | 3.5   | 2.0    | 3.5    |
| Female . . . . .   | 1.5   | 2.5    | 0.5   | 3.0    | 2.0    | 3.0                          | 2.5    | 3.5   | 3.0    | 2.0    |
| Educational attainment (persons 18 years and over)   |   |        |       |        |        |                              |        |       |        |        |
| Less than 4 years of high school . . . . .   | 3.0   | 2.0    | 1.5   | 3.5    | 4.0    | 2.0                          | 1.5    | 2.5   | 2.0    | 3.0    |
| High school graduate but no college . . . . .  | 2.5   | 2.0    | 3.5   | 5.5    | 3.5    | 4.5                          | 2.5    | 4.5   | 4.5    | 3.5    |
| 1 or more years of college . . . . .   | 3.5   | 4.5    | 6.0   | 5.5    | 4.5    | 2.5                          | 4.0    | 6.5   | 6.0    | 5.5    |
| Disability status (persons 15 to 69 years)   |   |        |       |        |        |                              |        |       |        |        |
| With a work disability . . . . .   | 2.0   | 0.0    | 5.5   | 9.0    | 5.5    | 4.0                          | 1.5    | 4.0   | 10.5   | 2.0    |
| With no work disability . . . . .  | 3.0   | 1.5    | 4.5   | 1.5    | 2.0    | 3.0                          | 2.0    | 2.5   | 3.0    | 4.5    |
| Residence  |   |        |       |        |        |                              |        |       |        |        |
| Metropolitan . . . . .   | 2.0   | 2.0    | 2.5   | 3.5    | 1.5    | 2.0                          | 2.5    | 2.5   | 2.0    | 2.0    |
| Central city . . . . .   | 0.5   | 2.0    | 2.0   | 4.0    | 1.0    | 1.0                          | 2.5    | 3.5   | 2.5    | 1.0    |
| Non-central city . . . . .   | 3.0   | 3.5    | 1.5   | 3.5    | 3.5    | 3.5                          | 3.5    | 6.5   | 2.5    | 3.5    |
| Nonmetropolitan . . . . .  | 4.0   | 2.5    | 5.0   | 3.0    | 4.5    | 2.5                          | 3.0    | 3.5   | 4.0    | 2.0    |
| Family status  |   |        |       |        |        |                              |        |       |        |        |
| In families . . . . .  | 2.0   | 1.5    | 3.0   | 1.0    | 1.0    | 2.0                          | 1.0    | 2.0   | 2.5    | 1.5    |
| In families with related children under 18 years . . . . .   | 0.5   | 1.5    | 2.0   | 2.5    | 1.5    | 1.0                          | 1.0    | 2.0   | 2.0    | 3.0    |
| In married-couple families   |   |        |       |        |        |                              |        |       |        |        |
| In married-couple families with related children under 18 years . . . . .                                | 3.0   | 2.5    | 2.0   | 3.5    | 2.0    | 3.5                          | 2.5    | 4.0   | 6.0    | 6.0    |
| In married-couple families with no related children under 18 years . . . . .                             | 2.5   | 2.5    | 3.5   | 1.0    | 3.0    | 2.5                          | 3.0    | 3.5   | 4.0    | 4.0    |
| In families with a female householder, no spouse present . . . . .                                       | 1.5   | 1.5    | 1.5   | 1.5    | 1.5    | 1.0                          | 0.5    | 1.5   | 2.0    | 2.0    |
| In families with a female householder, no spouse present, with related children under 18 years . . . . . | 1.0   | 0.5    | 3.0   | 2.5    | 1.0    | 1.0                          | 2.0    | 2.5   | 2.0    | 2.0    |
| Unrelated individuals . . . . .  | 0.0   | 3.0    | 2.5   | 0.5    | 3.0    | 0.0                          | 2.0    | 2.5   | 1.0    | 2.5    |
| In non-family households . . . . .   | 0.0   | 3.0    | 2.5   | 0.5    | 3.5    | 0.0                          | 2.5    | 2.5   | 1.0    | 3.0    |
| Employment status (persons 18 years and over)  |   |        |       |        |        |                              |        |       |        |        |
| Employed full-time . . . . .   | 5.0   | 4.0    | 5.0   | 8.5    | 4.5    | 2.5                          | 3.5    | 10.5  | 12.5   | 7.5    |
| Employed part-time . . . . .   | 6.0   | 5.0    | 4.5   | 7.0    | 6.5    | 3.0                          | 9.0    | 6.0   | 12.0   | 2.0    |
| Unemployed . . . . .   | 2.0   | 6.5    | 8.0   | 4.5    | 3.5    | 3.5                          | 7.5    | 8.5   | 3.5    | 2.0    |
| Not in the labor force . . . . .   | 1.5   | 0.0    | 3.0   | 2.0    | 3.5    | 2.5                          | 2.0    | 4.0   | 4.5    | 3.0    |
| Family income-to-poverty ratio <sup>3</sup>  |   |        |       |        |        |                              |        |       |        |        |
| Under 100 . . . . .  | 1.5   | 1.5    | 2.0   | 1.5    | 2.0    | 2.0                          | 1.0    | 2.0   | 2.0    | 2.0    |
| Under .50 . . . . .  | 3.0   | 4.5    | 1.5   | 3.0    | 2.0    | 2.0                          | 3.5    | 4.0   | 0.0    | 2.0    |
| .50 to .74 . . . . .   | 2.5   | 2.0    | 1.0   | 2.5    | 2.5    | 1.5                          | 2.5    | 3.0   | 3.0    | 2.5    |
| .75 to .99 . . . . .   | 4.0   | 2.5    | 2.5   | 3.5    | 1.0    | 2.5                          | 2.5    | 8.0   | 8.0    | 1.5    |
| 1.00 and above . . . . .   | 1.5   | 2.0    | 3.5   | 7.0    | 2.0    | 3.5                          | 2.5    | 2.0   | 5.5    | 3.5    |
| 1.00 to 1.24 . . . . .   | 3.0   | 4.5    | 5.5   | 10.5   | 2.5    | 4.0                          | 5.5    | 10.0  | 10.0   | 3.0    |
| 1.25 to 1.49 . . . . .   | 5.0   | 8.5    | 7.0   | 13.5   | 3.0    | 5.0                          | 6.0    | 6.0   | 6.5    | 6.0    |
| 1.50 to 1.99 . . . . .   | 6.5   | 3.0    | 18.0  | 18.0   | 8.5    | 5.5                          | 11.0   | 5.5   | 15.0   | 6.0    |
| 2.00 to 2.99 . . . . .   | 9.5   | 11.0   | 8.5   | 9.0    | 7.5    | 12.0                         | 14.0   | 9.0   | 10.0   | 3.5    |
| 3.00 and over . . . . .  | 3.0   | 12.0   | 14.5  | 6.5    | 10.0   | 15.5                         | 6.0    | 16.5  | 21.0   | 7.0    |
| Family pre-means-tested cash income-to-poverty ratio <sup>4</sup>  |   |        |       |        |        |                              |        |       |        |        |
| Under 1.00 . . . . .   | 1.0   | 1.5    | 3.0   | 2.5    | 1.5    | 1.0                          | 2.5    | 2.0   | 1.5    | 1.5    |
| Under .50 . . . . .  | 2.0   | 1.5    | 2.5   | 3.5    | 2.5    | 0.0                          | 1.5    | 2.5   | 1.5    | 3.0    |
| .50 to .74 . . . . .   | 3.5   | 3.5    | 2.0   | 3.0    | 5.5    | 4.0                          | 4.0    | 2.5   | 1.5    | 4.5    |
| .75 to .99 . . . . .   | 5.0   | 5.0    | 4.5   | 3.5    | 4.0    | 6.5                          | 3.0    | 6.5   | 9.0    | 6.5    |
| 1.00 and above . . . . .   | 4.5   | 4.0    | 4.0   | 6.5    | 2.0    | 2.5                          | 3.5    | 3.0   | 6.0    | 6.5    |
| 1.00 to 1.24 . . . . .   | 3.0   | 5.5    | 7.5   | 7.5    | 6.0    | 6.5                          | 4.0    | 10.0  | 11.5   | 4.5    |
| 1.25 to 1.49 . . . . .   | 7.5   | 5.5    | 10.5  | 19.0   | 10.0   | 8.0                          | 16.0   | 7.0   | 5.0    | 2.5    |
| 1.50 to 1.99 . . . . .   | 2.0   | 5.5    | 10.0  | 4.0    | 9.0    | 6.0                          | 14.5   | 13.5  | 21.5   | 3.5    |
| 2.00 to 2.99 . . . . .   | 9.5   | 9.5    | 12.0  | 12.0   | 7.5    | 11.0                         | 14.5   | 14.5  | 16.5   | 1.5    |
| 3.00 and over . . . . .  | 7.0   | 14.5   | 24.0  | 8.5    | 13.5   | 18.5                         | 6.0    | 17.5  | 22.5   | 7.5    |
| Family pre-transfer income <sup>5</sup> -to-poverty ratio  |   |        |       |        |        |                              |        |       |        |        |
| Under 1.00 . . . . .   | 0.0   | 2.0    | 2.0   | 3.5    | 1.0    | 2.0                          | 2.0    | 0.5   | 1.0    | 0.5    |
| Under .50 . . . . .  | 1.0   | 3.0    | 3.0   | 1.0    | 2.0    | 1.5                          | 1.5    | 2.0   | 2.0    | 1.0    |
| .50 to .74 . . . . .   | 5.5   | 3.5    | 4.5   | 5.0    | 4.0    | 3.5                          | 1.0    | 8.0   | 3.5    | 3.5    |
| .75 to .99 . . . . .   | 4.5   | 5.5    | 5.0   | 3.5    | 4.0    | 3.0                          | 2.0    | 2.5   | 6.0    | 5.5    |
| 1.00 and above . . . . .   | 2.0   | 3.5    | 2.5   | 8.0    | 3.0    | 4.0                          | 4.5    | 9.0   | 10.0   | 4.0    |
| 1.00 to 1.24 . . . . .   | 4.5   | 5.0    | 4.5   | 5.0    | 7.0    | 5.0                          | 7.0    | 13.5  | 10.0   | 5.5    |
| 1.25 to 1.49 . . . . .   | 7.0   | 14.5   | 7.5   | 8.0    | 5.5    | 10.5                         | 22.0   | 7.0   | 15.0   | 11.5   |
| 1.50 to 1.99 . . . . .   | 6.5   | 12.0   | 16.5  | 3.5    | 4.5    | 12.5                         | 13.5   | 13.0  | 15.0   | 4.5    |
| 2.00 to 2.99 . . . . .   | 15.0  | 11.5   | 13.5  | 10.0   | 10.0   | 10.0                         | 18.0   | 14.5  | 15.0   | 1.0    |
| 3.00 and over . . . . .  | 7.0   | 17.5   | 30.5  | 6.5    | 14.5   | 18.5                         | 11.5   | 17.5  | 23.0   | 13.0   |

<sup>1</sup> Major assistance programs include AFDC or other cash assistance, Supplemental Security Income and food stamps.

<sup>2</sup> Persons of Hispanic origin may be of any race.

<sup>3</sup> Based on money income excluding capital gains and before taxes.

<sup>4</sup> Based on money income excluding capital gains and means-tested government cash transfers and before taxes.

<sup>5</sup> Based on money income excluding capital gains and government cash transfers and before taxes.

**Table D-7. Standard Errors of Survival Rates and Median Spell Durations, by Selected Characteristics of Persons Experiencing Spells**

| Characteristics   | Standard errors of survival rates for program spells after- |          |          |           |           |           |           | Standard error of median spell duration |
|---|---|----------|----------|-----------|-----------|-----------|-----------|---|
|   | 1 month   | 4 months | 8 months | 12 months | 16 months | 20 months | 24 months |   |
| <b> SPELLS OF PERSONS WITH ENTRANCE INTO A MAJOR ASSISTANCE PROGRAM<sup>1</sup></b> |   |          |          |           |           |           |           |   |
| All spells .....  | 0.01478   | 0.02568  | 0.02670  | 0.02646   | 0.02654   | 0.02713   | 0.02789   | 1.21451                                 |
| Race and Hispanic origin  |   |          |          |           |           |           |           |   |
| White .....   | 0.01766   | 0.03034  | 0.03132  | 0.03100   | 0.03111   | 0.03211   | 0.03211   | 1.36180                                 |
| Black .....   | 0.01828   | 0.03221  | 0.03539  | 0.03556   | 0.03546   | 0.03573   | 0.03573   | 0.66171                                 |
| Hispanic origin <sup>2</sup> .....  | 0.03981   | 0.06453  | 0.06914  | 0.06907   | 0.06910   | 0.06910   | 0.06910   | 2.12349                                 |
| Age   |   |          |          |           |           |           |           |   |
| Under 18 years .....  | 0.02502   | 0.04125  | 0.04169  | 0.04095   | 0.04091   | 0.04145   | 0.04145   | 0.73396                                 |
| 18 to 64 years .....  | 0.01970   | 0.03475  | 0.03841  | 0.03582   | 0.03594   | 0.03711   | 0.03915   | 1.05536                                 |
| 65 years and over .....   | 0.03387   | 0.08345  | 0.09109  | 0.09584   | 0.10224   | 0.10596   | 0.10596   | x                                       |
| Sex   |   |          |          |           |           |           |           |   |
| Male .....  | 0.02119   | 0.03820  | 0.03986  | 0.03881   | 0.03861   | 0.03884   | 0.03996   | 1.99769                                 |
| Female .....  | 0.02055   | 0.03469  | 0.03592  | 0.03592   | 0.03622   | 0.03758   | 0.03854   | 1.52530                                 |
| Educational attainment (persons 18 years and over)                                  |   |          |          |           |           |           |           |   |
| Less than 4 years of high school .....  | 0.02818   | 0.04804  | 0.05317  | 0.05470   | 0.05555   | 0.05655   | 0.05655   | 0.78188                                 |
| High school graduate no college .....   | 0.03062   | 0.05375  | 0.05488  | 0.05270   | 0.05264   | 0.05447   | 0.05608   | 2.69280                                 |
| 1 or more years of college .....  | 0.03375   | 0.07061  | 0.07341  | 0.07233   | 0.07399   | 0.07399   | x         | 1.96900                                 |
| Disability status (persons 15 to 64 years)  |   |          |          |           |           |           |           |   |
| With a work disability .....  | 0.03624   | 0.06383  | 0.07232  | 0.07448   | 0.07676   | 0.08029   | 0.08029   | 2.16481                                 |
| With no work disability .....   | 0.02136   | 0.03699  | 0.03788  | 0.03688   | 0.03688   | 0.03749   | 0.03949   | 1.11266                                 |
| Residence   |   |          |          |           |           |           |           |   |
| Metropolitan .....  | 0.01753   | 0.03041  | 0.03161  | 0.03129   | 0.03144   | 0.03211   | 0.03372   | 1.35201                                 |
| Central city .....  | 0.02573   | 0.04177  | 0.04442  | 0.04484   | 0.04502   | 0.04622   | 0.04622   | 0.77798                                 |
| Non-central city .....  | 0.02305   | 0.04382  | 0.04431  | 0.04279   | 0.04299   | 0.04354   | 0.04883   | 0.63817                                 |
| Nonmetropolitan .....   | 0.02664   | 0.04634  | 0.04835  | 0.04811   | 0.04810   | 0.04927   | 0.04927   | 2.48940                                 |
| Family status   |   |          |          |           |           |           |           |   |
| In families .....   | 0.01617   | 0.02736  | 0.02820  | 0.02778   | 0.02779   | 0.02806   | 0.02904   | 0.62104                                 |
| In families with related children under 18 years .....                              | 0.01791   | 0.02963  | 0.03053  | 0.02983   | 0.02986   | 0.03029   | 0.03029   | 0.60398                                 |
| In married-couple families .....  | 0.02014   | 0.03335  | 0.03388  | 0.03308   | 0.03304   | 0.03337   | 0.03457   | 0.68667                                 |
| In married-couple families with related children under 18 .....                     | 0.02250   | 0.03655  | 0.03697  | 0.03565   | 0.03577   | 0.03644   | 0.03644   | 0.66467                                 |
| In families with a female householder, no spouse present .....                      | 0.02832   | 0.04881  | 0.05242  | 0.05271   | 0.05279   | 0.05279   | 0.05279   | 0.67309                                 |
| Unrelated individuals .....   | 0.03051   | 0.05182  | 0.05503  | 0.05504   | 0.05510   | 0.05510   | 0.05510   | 1.93999                                 |
| In non-family households .....  | 0.03026   | 0.06803  | 0.07776  | 0.07913   | 0.08134   | 0.08941   | 0.08941   | 6.22531                                 |
| Employment and labor force status (persons 18 years and over)                       |   |          |          |           |           |           |           |   |
| Employed full-time .....  | 0.03307   | 0.05792  | 0.05887  | 0.05727   | 0.05745   | 0.06334   | 0.06334   | 0.19705                                 |
| Employed part-time .....  | 0.04135   | 0.07628  | 0.08067  | 0.08007   | 0.08072   | 0.08414   | 0.09133   | 2.21442                                 |
| Unemployed .....  | 0.04566   | 0.07931  | 0.08164  | 0.07112   | 0.06622   | 0.06822   | 0.06822   | 1.04014                                 |
| Not in labor force .....  | 0.02581   | 0.04693  | 0.05117  | 0.05275   | 0.05362   | 0.05517   | 0.05704   | 1.98651                                 |
| Family income-to-poverty ratio <sup>3</sup>   |   |          |          |           |           |           |           |   |
| Less than 1.00 .....  | 0.02012   | 0.03411  | 0.03785  | 0.03814   | 0.03835   | 0.03916   | 0.04110   | 0.50480                                 |
| Under .50 .....   | 0.03096   | 0.04866  | 0.05284  | 0.05372   | 0.05411   | 0.05470   | 0.06019   | 3.44465                                 |
| .50 to .74 .....  | 0.03221   | 0.05716  | 0.06398  | 0.06234   | 0.06229   | 0.06265   | 0.06265   | 0.48371                                 |
| .75 to .99 .....  | 0.03471   | 0.06532  | 0.07400  | 0.07620   | 0.07843   | 0.08328   | 0.08328   | 2.73058                                 |
| 1.00 or more .....  | 0.01895   | 0.03264  | 0.03220  | 0.03166   | 0.03177   | 0.03256   | 0.03256   | 0.09872                                 |
| 1.00 to 1.24 .....  | 0.04195   | 0.06299  | 0.06384  | 0.06375   | 0.06405   | 0.06484   | 0.06484   | 0.22679                                 |
| 1.25 to 1.49 .....  | 0.06788   | 0.08030  | 0.08635  | 0.08363   | 0.08363   | 0.08363   | 0.08363   | 0.51019                                 |
| 1.50 to 1.99 .....  | 0.01960   | 0.07171  | 0.07338  | 0.07378   | 0.07874   | 0.08680   | 0.08680   | 0.24245                                 |
| 2.00 to 2.99 .....  | 0.03186   | 0.06834  | 0.06473  | 0.06823   | 0.06823   | 0.06823   | 0.06823   | 0.15144                                 |
| 3.00 and over .....   | 0.03143   | 0.06879  | 0.06792  | 0.06607   | 0.06492   | 0.06492   | 0.06492   | 0.15809                                 |
| Family premeans-tested income-to-poverty ratio <sup>4</sup>                         |   |          |          |           |           |           |           |   |
| Less than 1.00 .....  | 0.01982   | 0.03338  | 0.03684  | 0.03706   | 0.03725   | 0.03797   | 0.03955   | 0.49458                                 |
| Under .50 .....   | 0.02789   | 0.04524  | 0.05045  | 0.05101   | 0.05145   | 0.05199   | 0.05543   | 0.70656                                 |
| .50 to .74 .....  | 0.03665   | 0.06579  | 0.06549  | 0.06486   | 0.06484   | 0.06484   | 0.06484   | 0.63250                                 |
| .75 to .99 .....  | 0.03761   | 0.06972  | 0.07514  | 0.07620   | 0.07620   | 0.08275   | 0.08275   | 1.79247                                 |
| 1.00 or more .....  | 0.01942   | 0.03431  | 0.03387  | 0.03302   | 0.03302   | 0.03453   | 0.03453   | 0.10078                                 |
| 1.00 to 1.24 .....  | 0.04199   | 0.06622  | 0.06642  | 0.06580   | 0.06580   | 0.06684   | 0.06684   | 1.02561                                 |
| 1.25 to 1.49 .....  | 0.07074   | 0.06509  | 0.06892  | 0.06670   | 0.06670   | 0.06771   | 0.06872   | 0.49517                                 |
| 1.50 to 1.99 .....  | 0.02441   | 0.07550  | 0.07895  | 0.07716   | 0.08068   | 0.09888   | 0.09888   | 0.23582                                 |
| 2.00 to 2.99 .....  | 0.03211   | 0.06889  | 0.06868  | 0.06787   | 0.06787   | 0.06787   | 0.06787   | 0.15444                                 |
| 3.00 and over .....   | 0.03198   | 0.07064  | 0.07003  | 0.06801   | 0.06599   | 0.06599   | 0.06599   | 0.15950                                 |
| Family pre-transfer income-to-poverty ratio <sup>5</sup>                            |   |          |          |           |           |           |           |   |
| Less than 1.00 .....  | 0.01876   | 0.03179  | 0.03431  | 0.03408   | 0.03431   | 0.03500   | 0.03614   | 0.62901                                 |
| Under .50 .....   | 0.02213   | 0.03777  | 0.04135  | 0.04157   | 0.04202   | 0.04269   | 0.04492   | 0.54087                                 |
| .50 to .74 .....  | 0.04195   | 0.06879  | 0.06921  | 0.05977   | 0.05935   | 0.05935   | 0.05935   | 2.97818                                 |
| .75 to .99 .....  | 0.04273   | 0.07349  | 0.07885  | 0.08009   | 0.08009   | 0.08525   | 0.08525   | 1.58054                                 |
| 1.00 or more .....  | 0.02070   | 0.03774  | 0.03774  | 0.03709   | 0.03731   | 0.03903   | 0.03903   | 0.10448                                 |
| 1.00 to 1.24 .....  | 0.04099   | 0.07245  | 0.07493  | 0.07452   | 0.07411   | 0.07411   | 0.07411   | 0.78453                                 |
| 1.25 to 1.49 .....  | 0.06572   | 0.09718  | 0.08197  | 0.06320   | 0.06320   | 0.04385   | x         | 0.43058                                 |
| 1.50 to 1.99 .....  | 0.02953   | 0.06569  | 0.06899  | 0.06064   | 0.06869   | 0.11583   | 0.11583   | 2.37445                                 |
| 2.00 to 2.99 .....  | 0.03526   | 0.07273  | 0.07193  | 0.07052   | 0.07011   | 0.07011   | 0.07011   | 0.15878                                 |
| 3.00 and over .....   | 0.03540   | 0.07403  | 0.07282  | 0.06878   | 0.06838   | 0.06838   | 0.06838   | 0.16889                                 |

See footnotes at end of table.

**Table D-7. Standard Errors of Survival Rates and Median Spell Durations, by Selected Characteristics of Persons Experiencing Spells—Continued**

| Characteristics  | Standard errors of survival rates for program spells after- |          |          |           |           |           |           | Standard error of median spell duration |
|--|---|----------|----------|-----------|-----------|-----------|-----------|---|
|  | 1 month   | 4 months | 8 months | 12 months | 16 months | 20 months | 24 months |   |
| <b>SPELLS OF PERSONS WITH AN ENTRANCE IN AFDC OR OTHER CASH ASSISTANCE PROGRAM</b> |   |          |          |           |           |           |           |   |
| All spells . . . . .   | 0.02720   | 0.04013  | 0.04244  | 0.04249   | 0.04307   | 0.04468   | 0.04921   | 0.62831                                 |
| Race and Hispanic origin   |   |          |          |           |           |           |           |   |
| White . . . . .  | 0.03376   | 0.05034  | 0.05299  | 0.05244   | 0.05258   | 0.05307   | 0.06086   | 1.30647                                 |
| Black . . . . .  | 0.03056   | 0.04349  | 0.04591  | 0.04724   | 0.04807   | 0.05088   | 0.05068   | 1.06116                                 |
| Hispanic origin <sup>2</sup> . . . . .   | 0.05211   | 0.06570  | 0.09462  | 0.09803   | 0.09948   | 0.09948   | 0.09948   | 1.37229                                 |
| Age  |   |          |          |           |           |           |           |   |
| Under 18 years . . . . .   | 0.03939   | 0.05776  | 0.06108  | 0.06174   | 0.06316   | 0.06564   | 0.07327   | 1.05011                                 |
| 18 to 64 years . . . . .   | 0.03760   | 0.05660  | 0.05995  | 0.05981   | 0.05928   | 0.06170   | 0.06522   | 1.81180                                 |
| 65 years and over . . . . .  | x   | x        | x        | x         | x         | x         | x         | x                                       |
| Sex  |   |          |          |           |           |           |           |   |
| Male . . . . .   | 0.03668   | 0.06356  | 0.06636  | 0.06489   | 0.06456   | 0.06714   | 0.07063   | 2.06487                                 |
| Female . . . . .   | 0.03627   | 0.05182  | 0.05502  | 0.05582   | 0.05649   | 0.05773   | 0.06626   | 0.86457                                 |
| Educational attainment (persons 18 years and over)                                 |   |          |          |           |           |           |           |   |
| Less than 4 years of high school . . . . .   | 0.05523   | 0.06089  | 0.06713  | 0.06677   | 0.06784   | 0.069402  | 0.069402  | 0.90696                                 |
| High school graduate no college . . . . .  | 0.06119   | 0.06892  | 0.06923  | 0.06780   | 0.06778   | 0.06814   | 0.06814   | 2.15330                                 |
| 1 or more years of college . . . . .   | 0.07406   | 0.14594  | 0.15939  | 0.15345   | 0.15345   | 0.15345   | 0.15345   | 2.18132                                 |
| Disability status (persons 15 to 69 years)   |   |          |          |           |           |           |           |   |
| With a work disability . . . . .   | 0.05462   | 0.09132  | 0.10776  | 0.11427   | 0.11819   | 0.12042   | 0.12042   | 8.75548                                 |
| With no work disability . . . . .  | 0.04398   | 0.06190  | 0.06403  | 0.06247   | 0.06217   | 0.06521   | 0.07332   | 1.81916                                 |
| Residence  |   |          |          |           |           |           |           |   |
| Metropolitan . . . . .   | 0.03094   | 0.04605  | 0.05031  | 0.05196   | 0.05234   | 0.05640   | 0.06348   | 0.97229                                 |
| Central city . . . . .   | 0.04059   | 0.05826  | 0.06318  | 0.06554   | 0.06588   | 0.07378   | 0.06671   | 1.78501                                 |
| Non-central city . . . . .   | 0.04609   | 0.07314  | 0.08040  | 0.08166   | 0.08157   | 0.08302   | 0.08404   | 1.42140                                 |
| Nonmetropolitan . . . . .  | 0.05324   | 0.07602  | 0.07375  | 0.06873   | 0.06185   | 0.06185   | 0.06185   | 0.38925                                 |
| Family status  |   |          |          |           |           |           |           |   |
| In families . . . . .  | 0.02830   | 0.04210  | 0.04420  | 0.04444   | 0.04537   | 0.04748   | 0.05075   | 1.44540                                 |
| In families with related children under 18 years . . . . .                         | 0.02921   | 0.04346  | 0.04603  | 0.04603   | 0.04720   | 0.04930   | 0.05328   | 0.60520                                 |
| In married-couple families . . . . .   | 0.04684   | 0.06500  | 0.06763  | 0.06548   | 0.06572   | 0.06572   | 0.06572   | 1.25896                                 |
| In married-couple families with related children under 18 . . . . .                | 0.04909   | 0.06848  | 0.07160  | 0.06872   | 0.06872   | 0.06872   | 0.06872   | 1.18770                                 |
| In families with a female householder, no spouse present . . . . .                 | 0.03552   | 0.05495  | 0.05830  | 0.05984   | 0.06254   | 0.06612   | 0.07036   | 2.11534                                 |
| Unrelated individuals . . . . .  | 0.09607   | 0.16817  | 0.16817  | 0.17759   | 0.17759   | 0.17759   | 0.30930   | 4.87512                                 |
| In non-family households . . . . .   | 0.09310   | 0.17236  | 0.17236  | 0.18501   | 0.18501   | 0.18501   | 0.18501   | 4.53484                                 |
| Employment and labor force status (persons 18 years and over)                      |   |          |          |           |           |           |           |   |
| Employed full-time . . . . .   | 0.09366   | 0.13049  | 0.12965  | 0.12375   | 0.12375   | 0.12375   | 0.12375   | 3.13595                                 |
| Employed part-time . . . . .   | 0.12348   | 0.14458  | 0.14054  | 0.13426   | 0.13426   | 0.13426   | 0.13426   | 0.54323                                 |
| Unemployed . . . . .   | 0.05270   | 0.11304  | 0.12149  | 0.10741   | 0.09936   | 0.09936   | 0.09936   | 2.53431                                 |
| Not in labor force . . . . .   | 0.04951   | 0.07538  | 0.08274  | 0.08497   | 0.08698   | 0.09657   | 0.11129   | 0.76495                                 |
| Family income-to-poverty ratio <sup>3</sup>  |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .   | 0.03074   | 0.04736  | 0.05100  | 0.05123   | 0.05237   | 0.05350   | 0.05806   | 0.68303                                 |
| . Under .50 . . . . .  | 0.03226   | 0.06133  | 0.06515  | 0.06494   | 0.06876   | 0.06876   | 0.08743   | 0.97828                                 |
| .50 to .74 . . . . .   | 0.05832   | 0.06152  | 0.06650  | 0.06149   | 0.06149   | 0.06474   | 0.06474   | 1.48509                                 |
| .75 to .99 . . . . .   | 0.08597   | 0.10216  | 0.11317  | 0.11047   | 0.10965   | 0.10985   | 0.10985   | 0.76208                                 |
| 1.00 or more . . . . .   | 0.04752   | 0.06628  | 0.06669  | 0.06794   | 0.06857   | 0.08024   | 0.09671   | 2.45931                                 |
| 1.00 to 1.24 . . . . .   | 0.09840   | 0.11988  | 0.12410  | 0.12410   | 0.13836   | 0.18675   | 0.18675   | 0.55021                                 |
| 1.25 to 1.49 . . . . .   | 0.11679   | 0.15078  | 0.14882  | 0.14882   | 0.14882   | 0.14882   | x         | 2.20694                                 |
| 1.50 to 1.99 . . . . .   | 0.13746   | 0.15564  | 0.16503  | 0.16683   | 0.16683   | 0.16683   | 0.16683   | 2.83729                                 |
| 2.00 to 2.99 . . . . .   | 0.04312   | 0.12755  | 0.12655  | 0.12111   | 0.12111   | 0.11949   | 0.11949   | 1.68056                                 |
| 3.00 and over . . . . .  | 0.07675   | 0.15956  | 0.15956  | 0.15956   | 0.15956   | 6.13256   | x         | 0.31835                                 |
| Family premeans-tested income-to-poverty ratio <sup>4</sup>                        |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .   | 0.03017   | 0.04457  | 0.04777  | 0.04845   | 0.04960   | 0.05120   | 0.05599   | 0.72222                                 |
| Under .50 . . . . .  | 0.03031   | 0.04894  | 0.05343  | 0.05433   | 0.05702   | 0.05882   | 0.06510   | 0.69370                                 |
| .50 to .74 . . . . .   | 0.09764   | 0.11464  | 0.11611  | 0.10121   | 0.10121   | 0.10121   | 0.10352   | 1.91494                                 |
| .75 to .99 . . . . .   | 0.10883   | 0.13430  | 0.13051  | 0.13987   | 0.15240   | 0.20293   | 0.20293   | 1.94380                                 |
| 1.00 or more . . . . .   | 0.05296   | 0.06009  | 0.07843  | 0.07781   | 0.07781   | 0.08836   | 0.08836   | 0.27109                                 |
| 1.00 to 1.24 . . . . .   | 0.12753   | 0.13964  | 0.12011  | 0.11425   | 0.11425   | 0.11425   | 0.11425   | 2.38271                                 |
| 1.25 to 1.49 . . . . .   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.50 to 1.99 . . . . .   | 0.11074   | 0.18378  | 0.19472  | 0.19921   | 0.19921   | x         | x         | 1.14839                                 |
| 2.00 to 2.99 . . . . .   | 0.04276   | 0.18444  | 0.15190  | 0.15434   | 0.15434   | 0.15434   | 0.15434   | 1.40497                                 |
| 3.00 and over . . . . .  | 0.07890   | 0.16347  | 0.16347  | 0.16347   | 0.16347   | 0.16347   | 0.16347   | 0.33397                                 |
| Family pre-transfer income-to-poverty ratio <sup>5</sup>                           |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .   | 0.03058   | 0.04448  | 0.04749  | 0.04795   | 0.04911   | 0.05050   | 0.05536   | 0.74358                                 |
| Under .50 . . . . .  | 0.02917   | 0.04681  | 0.05133  | 0.05201   | 0.05359   | 0.05540   | 0.06128   | 0.65352                                 |
| .50 to .74 . . . . .   | 0.12905   | 0.13145  | 0.12534  | 0.10285   | 0.10285   | 0.10285   | 0.63760   | 1.72810                                 |
| .75 to .99 . . . . .   | 0.12221   | 0.15281  | 0.14521  | 0.14521   | x         | x         | x         | 1.72810                                 |
| 1.00 or more . . . . .   | 0.06278   | 0.06699  | 0.06678  | 0.06678   | 0.06678   | 0.09992   | 0.09992   | 0.64957                                 |
| 1.00 to 1.24 . . . . .   | 0.14179   | 0.16366  | 0.15702  | 0.15117   | 0.15117   | 0.14394   | 0.14394   | 0.71677                                 |
| 1.25 to 1.49 . . . . .   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.50 to 1.99 . . . . .   | 0.12929   | 0.17558  | 0.21874  | 0.23437   | 0.23437   | 0.23437   | 0.23437   | 2.48037                                 |
| 2.00 to 2.99 . . . . .   | 0.04574   | 0.15783  | 0.15886  | 0.16662   | 0.16662   | 0.16662   | 0.16662   | 0.34303                                 |
| 3.00 and over . . . . .  | 0.06672   | 0.16288  | 0.16288  | 0.16288   | 0.16288   | 0.16288   | 0.16288   | 0.33788                                 |

See footnotes at end of table.

**Table D-7. Standard Errors of Survival Rates and Median Spell Durations, by Selected Characteristics of Persons Experiencing Spells—Continued**

| Characteristics  | Standard errors of survival rates for program spells after- |          |          |           |           |           |           | Standard error of median spell duration |
|--|---|----------|----------|-----------|-----------|-----------|-----------|---|
|  | 1 month   | 4 months | 8 months | 12 months | 16 months | 20 months | 24 months |   |
| <b> SPELLS OF PERSONS WITH AN ENTRANCE IN SUPPLEMENTAL SECURITY INCOME PROGRAM</b>                   |   |          |          |           |           |           |           |   |
| All spells .....   | 0.03528   | 0.06885  | 0.08056  | 0.08235   | 0.09294   | 0.10877   | 0.10877   | x                                       |
| Race and Hispanic origin   |   |          |          |           |           |           |           |   |
| White .....  | 0.05468   | 0.09543  | 0.10895  | 0.11207   | 0.12683   | 0.13889   | 0.13889   | x                                       |
| Black .....  | 0.00000   | 0.07069  | 0.09457  | 0.09457   | 0.09457   | 0.12712   | 0.12712   | x                                       |
| Hispanic origin <sup>3</sup> .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| Age  |   |          |          |           |           |           |           |   |
| Under 18 years .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 18 to 64 years .....   | 0.05354   | 0.09354  | 0.11212  | 0.11483   | 0.12381   | 0.13509   | 0.13509   | x                                       |
| 65 years and over .....  | 0.00000   | 0.08160  | 0.08160  | 0.08160   | 0.13207   | 0.18634   | 0.18634   | x                                       |
| Sex  |   |          |          |           |           |           |           |   |
| Male .....   | 0.08040   | 0.11661  | 0.13661  | 0.13661   | 0.16901   | 0.18881   | 0.18881   | 1.41408                                 |
| Female .....   | 0.03052   | 0.08763  | 0.10092  | 0.10549   | 0.11130   | 0.13248   | 0.13248   | x                                       |
| Educational attainment (persons 18 years and over)   |   |          |          |           |           |           |           |   |
| Less than 4 years of high school .....   | 0.00000   | 0.07176  | 0.08679  | 0.09281   | 0.10924   | 0.13891   | 0.13891   | x                                       |
| High school graduate/no college .....  | 0.11486   | 0.14936  | 0.17578  | 0.17578   | 0.17578   | 0.22054   | 0.22054   | x                                       |
| 1 or more years of college .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| Disability status (persons 15 to 69 years)   |   |          |          |           |           |           |           |   |
| With a work disability .....   | 0.05506   | 0.08940  | 0.11215  | 0.11682   | 0.12962   | 0.15969   | 0.15969   | x                                       |
| With no work disability .....  | 0.05758   | 0.16287  | 0.18011  | 0.18011   | 0.21226   | 0.21226   | 0.21226   | x                                       |
| Residence  |   |          |          |           |           |           |           |   |
| Metropolitan .....   | 0.03754   | 0.08316  | 0.09568  | 0.09568   | 0.11909   | 0.13342   | 0.13342   | x                                       |
| Central city .....   | 0.06498   | 0.08910  | 0.11163  | 0.11163   | 0.11163   | 0.11163   | 0.11163   | x                                       |
| Non-central city .....   | 0.00000   | 0.14625  | 0.16039  | 0.16039   | 0.19357   | 0.20402   | 0.20402   | 2.92917                                 |
| Nonmetropolitan .....  | 0.07927   | 0.12687  | 0.15727  | 0.16575   | 0.16575   | 0.19479   | 0.19479   | x                                       |
| Family status  |   |          |          |           |           |           |           |   |
| In families .....  | 0.04912   | 0.08685  | 0.09472  | 0.09721   | 0.11110   | 0.12727   | 0.12727   | x                                       |
| In families with related children under 18 years .....   | 0.04619   | 0.11141  | 0.12542  | 0.12542   | 0.14423   | 0.16827   | 0.16827   | x                                       |
| In married-couple families .....   | 0.07763   | 0.11286  | 0.12024  | 0.12594   | 0.15336   | 0.16686   | 0.16686   | x                                       |
| In married-couple families with related children under 18 .....                                      | 0.07457   | 0.14255  | 0.15125  | 0.15125   | 0.19510   | 0.20930   | 0.20930   | x                                       |
| In families with a female householder, no spouse present .....                                       | 0.00000   | 0.18425  | 0.18984  | 0.18984   | 0.18984   | 0.21288   | 0.21288   | x                                       |
| In families with female householder, no spouse present<br>with related children under 18 years ..... | x   | x        | x        | x         | x         | x         | x         | x                                       |
| Unrelated individuals .....  | 0.00000   | 0.11061  | 0.17413  | 0.17413   | 0.17413   | 0.21841   | 0.21841   | x                                       |
| In non-family households .....   | 0.00000   | 0.11951  | 0.17866  | 0.17866   | 0.17866   | 0.21856   | 0.21856   | x                                       |
| Employment and labor force status (persons 18 years and over)  |   |          |          |           |           |           |           |   |
| Employed full-time .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| Employed part-time .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| Unemployed .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| Not in labor force .....   | 0.03363   | 0.06482  | 0.08255  | 0.08582   | 0.10273   | 0.11721   | 0.11721   | x                                       |
| Family income-to-poverty ratio <sup>3</sup>  |   |          |          |           |           |           |           |   |
| Less than 1.00 .....   | 0.00000   | 0.09459  | 0.12213  | 0.12213   | 0.14826   | 0.18796   | 0.18796   | x                                       |
| Under .50 .....  | x   | x        | x        | x         | x         | x         | x         | x                                       |
| .50 to .74 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| .75 to .99 .....   | 0.00000   | 0.11841  | 0.16901  | 0.16901   | 0.16901   | 0.21050   | 0.21050   | x                                       |
| 1.00 or more .....   | 0.05544   | 0.09266  | 0.10427  | 0.10747   | 0.11788   | 0.13088   | 0.13088   | x                                       |
| 1.00 to 1.24 .....   | 0.06875   | 0.11113  | 0.11113  | 0.11113   | 0.11113   | 0.11113   | 0.11113   | x                                       |
| 1.25 to 1.49 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.50 to 1.99 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 2.00 to 2.99 .....   | 0.14899   | 0.18280  | 0.20507  | 0.21483   | 0.21483   | 0.21483   | 0.21483   | x                                       |
| 3.00 and over .....  | 0.14205   | 0.23675  | 0.24498  | 0.24498   | 0.23469   | 0.23469   | 0.23469   | 1.67166                                 |
| Family premeans-tested income-to-poverty ratio <sup>4</sup>  |   |          |          |           |           |           |           |   |
| Less than 1.00 .....   | 0.02261   | 0.07024  | 0.08706  | 0.08706   | 0.10257   | 0.13949   | 0.13949   | x                                       |
| Under .50 .....  | 0.00000   | 0.07782  | 0.10548  | 0.10548   | 0.13792   | 0.18061   | 0.18061   | x                                       |
| .50 to .74 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| .75 to .99 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.00 or more .....   | 0.07616   | 0.12395  | 0.13550  | 0.13874   | 0.15150   | 0.16001   | 0.16001   | 4.49639                                 |
| 1.00 to 1.24 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.25 to 1.49 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.50 to 1.99 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 2.00 to 2.99 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 3.00 and over .....  | x   | x        | x        | x         | x         | x         | x         | x                                       |
| Family pre-transfer income-to-poverty ratio <sup>5</sup>   |   |          |          |           |           |           |           |   |
| Less than 1.00 .....   | 0.02833   | 0.06943  | 0.08439  | 0.08439   | 0.09736   | 0.13187   | 0.13187   | x                                       |
| Under .50 .....  | 0.03262   | 0.07485  | 0.09006  | 0.09006   | 0.10867   | 0.13529   | 0.13529   | x                                       |
| .50 to .74 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| .75 to .99 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.00 or more .....   | 0.09003   | 0.14871  | 0.15878  | 0.16328   | 0.17924   | 0.18251   | 0.18251   | 1.73304                                 |
| 1.00 to 1.24 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.25 to 1.49 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.50 to 1.99 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 2.00 to 2.99 .....   | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 3.00 and over .....  | x   | x        | x        | x         | x         | x         | x         | x                                       |

See footnotes at end of table.

**Table D-7. Standard Errors of Survival Rates and Median Spell Durations, by Selected Characteristics of Persons Experiencing Spells—Continued**

| Characteristics   | Standard errors of survival rates for program spells after- |          |          |           |           |           |           | Standard error of median spell duration |
|---|---|----------|----------|-----------|-----------|-----------|-----------|---|
|   | 1 month   | 4 months | 8 months | 12 months | 16 months | 20 months | 24 months |   |
| <b>SPELLS OF PERSONS WITH AN ENTRANCE IN FOOD STAMP PROGRAM</b>     |   |          |          |           |           |           |           |   |
| All spells . . . . .  | 0.01856   | 0.02872  | 0.03025  | 0.03047   | 0.03068   | 0.03094   | 0.03418   | 1.08907                                 |
| Race and Hispanic origin  |   |          |          |           |           |           |           |   |
| White . . . . .   | 0.02613   | 0.03752  | 0.03853  | 0.03787   | 0.03770   | 0.03796   | 0.04133   | 0.65599                                 |
| Black . . . . .   | 0.01497   | 0.02677  | 0.03082  | 0.03191   | 0.03311   | 0.03338   | 0.03724   | 2.76615                                 |
| Hispanic origin <sup>2</sup> . . . . .                              | 0.04885   | 0.07379  | 0.07729  | 0.07871   | 0.07871   | 0.07871   | 0.07871   | 0.85561                                 |
| Age   |   |          |          |           |           |           |           |   |
| Under 18 years . . . . .  | 0.02801   | 0.04259  | 0.04472  | 0.04539   | 0.04581   | 0.04626   | 0.05072   | 1.61392                                 |
| 18 to 64 years . . . . .  | 0.02613   | 0.04044  | 0.04236  | 0.04187   | 0.04198   | 0.04235   | 0.04594   | 0.71133                                 |
| 65 years and over . . . . .   | 0.05262   | 0.11308  | 0.13236  | 0.14258   | 0.15217   | 0.15217   | 0.17630   | 1.89905                                 |
| Sex   |   |          |          |           |           |           |           |   |
| Male . . . . .  | 0.02707   | 0.04363  | 0.04640  | 0.04620   | 0.04594   | 0.04627   | 0.05076   | 1.19994                                 |
| Female . . . . .  | 0.02538   | 0.03814  | 0.03968  | 0.04036   | 0.04088   | 0.04122   | 0.04568   | 1.39087                                 |
| Educational attainment (persons 18 years and over)                  |   |          |          |           |           |           |           |   |
| Less than 4 years of high school . . . . .                          | 0.03069   | 0.05099  | 0.05759  | 0.05917   | 0.05991   | 0.06028   | 0.06490   | 2.75376                                 |
| High school graduate no college . . . . .                           | 0.04347   | 0.06421  | 0.06536  | 0.06382   | 0.06384   | 0.06446   | 0.07371   | 0.36321                                 |
| 1 or more years of college . . . . .                                | 0.06910   | 0.10033  | 0.10225  | 0.09556   | 0.09317   | 0.09317   | 0.09317   | 0.49741                                 |
| Disability status (persons 15 to 69 years)                          |   |          |          |           |           |           |           |   |
| With a work disability . . . . .                                    | 0.03338   | 0.06848  | 0.07703  | 0.08125   | 0.08508   | 0.08508   | 0.08508   | 1.88121                                 |
| With no work disability . . . . .                                   | 0.02984   | 0.04347  | 0.04495  | 0.04402   | 0.04368   | 0.04423   | 0.04822   | 0.68553                                 |
| Residence   |   |          |          |           |           |           |           |   |
| Metropolitan . . . . .  | 0.02339   | 0.03540  | 0.03667  | 0.03669   | 0.03690   | 0.03707   | 0.04444   | 0.62687                                 |
| Central city . . . . .  | 0.03145   | 0.04459  | 0.04651  | 0.04721   | 0.04776   | 0.04811   | 0.05952   | 1.31119                                 |
| Non-central city . . . . .  | 0.03342   | 0.05751  | 0.05817  | 0.05404   | 0.05437   | 0.05437   | 0.07103   | 0.67054                                 |
| Nonmetropolitan . . . . .   | 0.02940   | 0.04677  | 0.05063  | 0.05172   | 0.05206   | 0.05293   | 0.05293   | 1.15813                                 |
| Family status   |   |          |          |           |           |           |           |   |
| In families . . . . .   | 0.01953   | 0.03016  | 0.03164  | 0.03164   | 0.03189   | 0.03214   | 0.03510   | 1.15690                                 |
| In families with related children under 18 years . . . . .          | 0.02088   | 0.03182  | 0.03331  | 0.03331   | 0.03356   | 0.03381   | 0.03629   | 1.21552                                 |
| In married-couple families . . . . .                                | 0.02717   | 0.04084  | 0.04114  | 0.03989   | 0.03964   | 0.03964   | 0.03964   | 0.74792                                 |
| In married-couple families with related children under 18 . . . . . | 0.02932   | 0.04335  | 0.04386  | 0.04235   | 0.04210   | 0.04210   | 0.04210   | 0.73828                                 |
| In families with a female householder, no spouse present . . . . .  | 0.02701   | 0.13864  | 0.14646  | 0.15180   | 0.155774  | 0.159034  | 0.188140  | 2.80792                                 |
| In families with female householder, no spouse present . . . . .    | 0.02873   | 0.04462  | 0.04859  | 0.05022   | 0.05139   | 0.05256   | 0.05933   | 5.16247                                 |
| Unrelated individuals . . . . .                                     | 0.05305   | 0.10610  | 0.12464  | 0.13450   | 0.13755   | 0.13755   | 0.18731   | 1.81678                                 |
| In non-family households . . . . .                                  | 0.05454   | 0.10468  | 0.12409  | 0.13449   | 0.13773   | 0.13773   | 0.18787   | 1.79555                                 |
| Employment and labor force status (persons 18 years and over)       |   |          |          |           |           |           |           |   |
| Employed full-time . . . . .  | 0.05803   | 0.08003  | 0.08124  | 0.07931   | 0.07931   | 0.07931   | 0.07931   | 0.46908                                 |
| Employed part-time . . . . .  | 0.06010   | 0.10031  | 0.10162  | 0.09834   | 0.09419   | 0.09419   | 0.09419   | 0.42834                                 |
| Unemployed . . . . .  | 0.04959   | 0.08317  | 0.08229  | 0.07308   | 0.06891   | 0.06825   | 0.07790   | 0.78342                                 |
| Not in labor force . . . . .  | 0.03068   | 0.05083  | 0.05665  | 0.05834   | 0.06046   | 0.06091   | 0.07300   | 1.50477                                 |
| Family income-to-poverty ratio <sup>3</sup>                         |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .  | 0.01912   | 0.03211  | 0.03518  | 0.03612   | 0.03636   | 0.03683   | 0.04250   | 1.03176                                 |
| Under .50 . . . . .   | 0.03008   | 0.04490  | 0.04910  | 0.05043   | 0.05087   | 0.05153   | 0.05795   | 6.50269                                 |
| .50 to .74 . . . . .  | 0.02798   | 0.05184  | 0.05748  | 0.05835   | 0.05878   | 0.05878   | 0.06811   | 0.76350                                 |
| .75 to .9 . . . . .   | 0.03080   | 0.06138  | 0.06662  | 0.07012   | 0.07077   | 0.07230   | 0.08934   | 3.03617                                 |
| 1.00 or more . . . . .  | 0.03534   | 0.04641  | 0.04555  | 0.04385   | 0.04406   | 0.04406   | 0.04406   | 0.20585                                 |
| 1.00 to 1.24 . . . . .  | 0.05177   | 0.06868  | 0.06930  | 0.06971   | 0.06806   | 0.06806   | 0.06806   | 0.25575                                 |
| 1.25 to 1.49 . . . . .  | 0.07422   | 0.08320  | 0.07656  | 0.07265   | 0.07011   | 0.07011   | 0.07011   | 0.58005                                 |
| 1.50 to 1.99 . . . . .  | 0.09641   | 0.12973  | 0.13249  | 0.12739   | 0.12739   | 0.12739   | 0.12739   | 1.14015                                 |
| 2.00 to 2.99 . . . . .  | 0.07274   | 0.12635  | 0.12341  | 0.12362   | 0.12362   | 0.12362   | 0.12362   | 0.36581                                 |
| 3.00 and over . . . . .   | 0.10918   | 0.15644  | 0.16015  | 0.15488   | 0.15488   | x         | x         | 0.95894                                 |
| Family premeans-tested income-to-poverty ratio <sup>4</sup>         |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .  | 0.01870   | 0.03101  | 0.03385  | 0.03480   | 0.03504   | 0.03551   | 0.04095   | 0.98851                                 |
| Under .50 . . . . .   | 0.02423   | 0.03926  | 0.04330  | 0.04465   | 0.04532   | 0.04599   | 0.05071   | 1.41346                                 |
| .50 to .74 . . . . .  | 0.03432   | 0.05831  | 0.06381  | 0.06447   | 0.06447   | 0.06447   | 0.06447   | 0.85148                                 |
| .75 to .99 . . . . .  | 0.03832   | 0.06550  | 0.06881  | 0.07173   | 0.07619   | 0.07619   | 0.11918   | 3.16339                                 |
| 1.00 or more . . . . .  | 0.03978   | 0.05036  | 0.04825  | 0.04813   | 0.04655   | 0.04655   | 0.04655   | 0.21584                                 |
| 1.00 to 1.24 . . . . .  | 0.05297   | 0.07342  | 0.07342  | 0.07281   | 0.07179   | 0.07179   | 0.07179   | 0.26179                                 |
| 1.25 to 1.49 . . . . .  | 0.09682   | 0.09257  | 0.05683  | 0.05683   | 0.05683   | 0.05683   | 0.05683   | 0.82418                                 |
| 1.50 to 1.99 . . . . .  | 0.10753   | 0.15535  | 0.15600  | x         | x         | x         | x         | 1.03654                                 |
| 2.00 to 2.99 . . . . .  | 0.06466   | 0.06864  | 0.12355  | 0.12773   | 0.12773   | 0.12773   | 0.12773   | 0.34220                                 |
| 3.00 and over . . . . .   | 0.10918   | 0.15844  | 0.16015  | 0.15488   | 0.15488   | x         | x         | 0.95894                                 |
| Family pre-transfer income-to-poverty ratio <sup>5</sup>            |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .  | 0.01844   | 0.03025  | 0.03262  | 0.03333   | 0.03356   | 0.03404   | 0.03853   | 0.96435                                 |
| Under .50 . . . . .   | 0.02039   | 0.03443  | 0.03783  | 0.03874   | 0.03897   | 0.03964   | 0.04531   | 1.45440                                 |
| .50 to .74 . . . . .  | 0.04327   | 0.06889  | 0.07141  | 0.06700   | 0.06511   | 0.06511   | 0.06511   | 0.95775                                 |
| .75 to .99 . . . . .  | 0.04805   | 0.07103  | 0.07396  | 0.07709   | 0.08586   | 0.08586   | 0.08586   | 1.41644                                 |
| 1.00 or more . . . . .  | 0.04477   | 0.05756  | 0.05628  | 0.05542   | 0.05670   | 0.05670   | 0.05670   | 0.24941                                 |
| 1.00 to 1.24 . . . . .  | 0.05465   | 0.08341  | 0.08362  | 0.08485   | 0.08403   | 0.08403   | 0.08403   | 0.33282                                 |
| 1.25 to 1.49 . . . . .  | 0.13027   | 0.08183  | 0.08183  | x         | x         | x         | x         | 0.24804                                 |
| 1.50 to 1.99 . . . . .  | 0.09710   | 0.14756  | 0.14989  | 0.15651   | x         | x         | x         | 1.05828                                 |
| 2.00 to 2.99 . . . . .  | 0.07545   | 0.14186  | 0.12300  | 0.12300   | 0.12300   | 0.12300   | 0.12300   | 0.33510                                 |
| 3.00 and over . . . . .   | 0.12792   | 0.17011  | 0.17382  | 0.16406   | 0.16406   | x         | x         | 1.64642                                 |

See footnotes at end of table.

**Table D-7. Standard Errors of Survival Rates and Median Spell Durations, by Selected Characteristics of Persons Experiencing Spells—Continued**

| Characteristics  | Standard errors of survival rates for program spells after- |          |          |           |           |           |           | Standard error of median spell duration |
|--|---|----------|----------|-----------|-----------|-----------|-----------|---|
|  | 1 month   | 4 months | 8 months | 12 months | 16 months | 20 months | 24 months |   |
| <b>SPELLS OF PERSONS WITH AN ENTRANCE IN MEDICAID PROGRAM</b>                                    |   |          |          |           |           |           |           |   |
| All spells.....  | 0.01704   | 0.03149  | 0.03389  | 0.03394   | 0.03454   | 0.03560   | 0.03806   | 0.39034                                 |
| Race and Hispanic origin   |   |          |          |           |           |           |           |   |
| White.....   | 0.01955   | 0.03820  | 0.04101  | 0.04083   | 0.04096   | 0.04248   | 0.04428   | 0.44580                                 |
| Black.....   | 0.02205   | 0.03688  | 0.04055  | 0.04102   | 0.04329   | 0.04379   | 0.04789   | 0.50707                                 |
| Hispanic origin <sup>2</sup> .....   | 0.03703   | 0.07324  | 0.08127  | 0.08051   | 0.08051   | 0.08051   | 0.08051   | 1.26779                                 |
| Age  |   |          |          |           |           |           |           |   |
| Under 18 years.....  | 0.02340   | 0.04657  | 0.04723  | 0.04652   | 0.04675   | 0.04809   | 0.05153   | 1.75604                                 |
| 18 to 64 years.....  | 0.02769   | 0.04540  | 0.05111  | 0.05155   | 0.05261   | 0.05438   | 0.05829   | 0.67846                                 |
| 65 years and over.....   | 0.02284   | 0.08242  | 0.09227  | 0.09988   | 0.12500   | 0.13124   | 0.13124   | x                                       |
| Sex  |   |          |          |           |           |           |           |   |
| Male.....  | 0.02599   | 0.04920  | 0.05177  | 0.05123   | 0.05183   | 0.05337   | 0.05730   | 1.29249                                 |
| Female.....  | 0.02255   | 0.04073  | 0.04448  | 0.04503   | 0.04591   | 0.04747   | 0.05027   | 0.59378                                 |
| Educational attainment (persons 18 years and over)   |   |          |          |           |           |           |           |   |
| Less than 4 years of high school.....  | 0.03694   | 0.05880  | 0.06732  | 0.07137   | 0.07552   | 0.07834   | 0.08302   | 9.38060                                 |
| High school graduate no college.....   | 0.04212   | 0.06915  | 0.07791  | 0.07842   | 0.07958   | 0.08212   | 0.08524   | 0.83354                                 |
| 1 or more years of college.....  | 0.04297   | 0.10186  | 0.10829  | 0.10007   | 0.09951   | 0.09951   | 0.09951   | 2.06069                                 |
| Disability status (persons 15 to 69 years)   |   |          |          |           |           |           |           |   |
| With a work disability.....  | 0.05063   | 0.07040  | 0.08093  | 0.08492   | 0.08022   | 0.08342   | 0.08342   | 3.32318                                 |
| With no work disability.....   | 0.02552   | 0.05030  | 0.05461  | 0.05422   | 0.05474   | 0.05558   | 0.05930   | 1.22241                                 |
| Residence  |   |          |          |           |           |           |           |   |
| Metropolitan.....  | 0.02145   | 0.03791  | 0.04054  | 0.04054   | 0.04125   | 0.04211   | 0.04709   | 0.96765                                 |
| Central city.....  | 0.02874   | 0.05085  | 0.05445  | 0.05490   | 0.05599   | 0.05931   | 0.06406   | 0.73309                                 |
| Non-central city.....  | 0.03158   | 0.05880  | 0.05922  | 0.05800   | 0.05823   | 0.05878   | 0.06400   | 1.75082                                 |
| Nonmetropolitan.....   | 0.02678   | 0.05600  | 0.06138  | 0.06174   | 0.06220   | 0.06768   | 0.06768   | 0.74198                                 |
| Family status  |   |          |          |           |           |           |           |   |
| In families.....   | 0.01775   | 0.03410  | 0.03597  | 0.03597   | 0.03667   | 0.03761   | 0.04088   | 0.86660                                 |
| In families with related children under 18 years.....  | 0.01884   | 0.03881  | 0.03821  | 0.03775   | 0.03844   | 0.03938   | 0.04147   | 0.94830                                 |
| In married-couple families.....  | 0.02641   | 0.04703  | 0.04726  | 0.04610   | 0.04610   | 0.04818   | 0.05073   | 1.30422                                 |
| In married-couple families with related children under 18.....                                   | 0.02868   | 0.05093  | 0.04956  | 0.04749   | 0.04726   | 0.04979   | 0.04979   | 1.15122                                 |
| In families with a female householder, no spouse present.....                                    | 0.02342   | 0.05028  | 0.05625  | 0.05785   | 0.06038   | 0.06130   | 0.06933   | 0.95209                                 |
| In families with female householder, no spouse present with related children under 18 years..... | 0.02406   | 0.05248  | 0.05821  | 0.05958   | 0.06233   | 0.06325   | 0.06969   | 0.97393                                 |
| Unrelated individuals.....   | 0.06053   | 0.08970  | 0.11280  | 0.11693   | 0.12422   | 0.12981   | 0.12981   | 8.04652                                 |
| In non-family households.....  | 0.06399   | 0.09561  | 0.11890  | 0.12454   | 0.13337   | 0.14121   | 0.14121   | 7.45299                                 |
| Employment and labor force status (persons 18 years and over)                                    |   |          |          |           |           |           |           |   |
| Employed full-time.....  | 0.05743   | 0.10709  | 0.10256  | 0.09500   | 0.09544   | 0.09803   | 0.09803   | 1.18754                                 |
| Employed part-time.....  | 0.04549   | 0.10551  | 0.12110  | 0.11857   | 0.11857   | 0.12489   | 0.12899   | 0.82556                                 |
| Unemployed.....  | 0.04723   | 0.09588  | 0.12237  | 0.12463   | 0.12792   | 0.12792   | 0.13059   | 2.38178                                 |
| Not in labor force.....  | 0.03431   | 0.05359  | 0.06040  | 0.06393   | 0.06769   | 0.07004   | 0.07544   | 1.22451                                 |
| Family income-to-poverty ratio <sup>3</sup>  |   |          |          |           |           |           |           |   |
| Less than 1.00.....  | 0.02202   | 0.04014  | 0.04610  | 0.04771   | 0.05000   | 0.05180   | 0.05780   | 1.45839                                 |
| Under .50.....   | 0.02095   | 0.05434  | 0.06220  | 0.06438   | 0.06765   | 0.06874   | 0.06468   | 1.19157                                 |
| .50 to .74.....  | 0.04479   | 0.07450  | 0.08280  | 0.08695   | 0.08914   | 0.08914   | 0.10072   | 3.95443                                 |
| .75 to .99.....  | 0.05728   | 0.07544  | 0.09212  | 0.09254   | 0.09810   | 0.10686   | 0.10686   | 0.89337                                 |
| 1.00 or more.....  | 0.02443   | 0.04601  | 0.04490  | 0.04336   | 0.04314   | 0.04446   | 0.04446   | 0.13097                                 |
| 1.00 to 1.24.....  | 0.05086   | 0.06879  | 0.09067  | 0.09025   | 0.09046   | 0.09275   | 0.09275   | 3.87673                                 |
| 1.25 to 1.49.....  | 0.07756   | 0.11768  | 0.11068  | 0.09813   | 0.09813   | 0.09813   | 0.09813   | 1.10887                                 |
| 1.50 to 1.99.....  | 0.04271   | 0.06392  | 0.06040  | 0.06832   | 0.06832   | 0.09786   | 0.09786   | 0.27388                                 |
| 2.00 to 2.99.....  | 0.04582   | 0.08792  | 0.08607  | 0.08318   | 0.08359   | 0.08834   | 0.08834   | 0.22291                                 |
| 3.00 and over.....   | 0.04911   | 0.09946  | 0.09761  | 0.08795   | 0.07932   | 0.07932   | 0.07932   | 0.21783                                 |
| Family premeans-tested income-to-poverty ratio <sup>4</sup>                                      |   |          |          |           |           |           |           |   |
| Less than 1.00.....  | 0.02183   | 0.03907  | 0.04459  | 0.04597   | 0.04804   | 0.04919   | 0.05424   | 1.27101                                 |
| Under .50.....   | 0.02205   | 0.04657  | 0.05399  | 0.05624   | 0.05916   | 0.05984   | 0.06661   | 1.15402                                 |
| .50 to .74.....  | 0.06263   | 0.09195  | 0.09945  | 0.10122   | 0.10342   | 0.10761   | 0.10761   | 1.74426                                 |
| .75 to .99.....  | 0.06373   | 0.08867  | 0.10146  | 0.10210   | 0.10637   | 0.11319   | 0.11319   | 1.08071                                 |
| 1.00 or more.....  | 0.02467   | 0.04845  | 0.04669  | 0.04471   | 0.04449   | 0.04625   | 0.04625   | 0.13391                                 |
| 1.00 to 1.24.....  | 0.05685   | 0.09307  | 0.09161  | 0.09099   | 0.09099   | 0.09391   | 0.09391   | 1.19943                                 |
| 1.25 to 1.49.....  | 0.07444   | 0.13576  | 0.09368  | 0.08734   | 0.08734   | 0.07655   | 0.07655   | 2.49536                                 |
| 1.50 to 1.99.....  | 0.03210   | 0.09822  | 0.09484  | 0.09088   | 0.09088   | 0.11402   | 0.11402   | 0.25848                                 |
| 2.00 to 2.99.....  | 0.04738   | 0.08939  | 0.08373  | 0.09269   | 0.09352   | 0.10038   | 0.10038   | 0.24107                                 |
| 3.00 and over.....   | 0.05041   | 0.10082  | 0.09733  | 0.08498   | 0.07367   | 0.07367   | 0.07367   | 0.21401                                 |
| Family pre-transfer income-to-poverty ratio <sup>5</sup>   |   |          |          |           |           |           |           |   |
| Less than 1.00.....  | 0.02057   | 0.03722  | 0.04184  | 0.04277   | 0.04438   | 0.04554   | 0.04993   | 0.51067                                 |
| Under .50.....   | 0.02175   | 0.04189  | 0.04814  | 0.04978   | 0.05207   | 0.05323   | 0.05971   | 1.40245                                 |
| .50 to .74.....  | 0.06459   | 0.09896  | 0.10538  | 0.10600   | 0.10807   | 0.10807   | 0.10807   | 6.35521                                 |
| .75 to .99.....  | 0.06619   | 0.09698  | 0.10404  | 0.10323   | 0.10444   | 0.10687   | 0.10687   | 1.38852                                 |
| 1.00 or more.....  | 0.02729   | 0.05372  | 0.05110  | 0.04869   | 0.04869   | 0.05022   | 0.05022   | 0.14390                                 |
| 1.00 to 1.24.....  | 0.07373   | 0.10991  | 0.10536  | 0.10180   | 0.10180   | 0.10655   | 0.10655   | 6.66154                                 |
| 1.25 to 1.49.....  | 0.06352   | 0.14298  | 0.11862  | 0.09266   | 0.09266   | 0.06430   | 0.06430   | 0.35346                                 |
| 1.50 to 1.99.....  | 0.04049   | 0.10984  | 0.10673  | 0.10507   | 0.11151   | 0.12127   | 0.12127   | 0.31148                                 |
| 2.00 to 2.99.....  | 0.05130   | 0.09995  | 0.09790  | 0.09627   | 0.09913   | 0.10363   | 0.10363   | 0.24118                                 |
| 3.00 and over.....   | 0.05508   | 0.10626  | 0.10010  | 0.08098   | 0.07543   | 0.07543   | 0.07543   | 0.23226                                 |

See footnotes at end of table.

**Table D-7. Standard Errors of Survival Rates and Median Spell Durations, by Selected Characteristics of Persons Experiencing Spells—Continued**

| Characteristics   | Standard errors of survival rates for program spells after- |          |          |           |           |           |           | Standard error of median spell duration |
|---|---|----------|----------|-----------|-----------|-----------|-----------|---|
|   | 1 month   | 4 months | 8 months | 12 months | 16 months | 20 months | 24 months |   |
| <b> SPELLS OF PERSONS WITH AN ENTRANCE IN HOUSING ASSISTANCE PROGRAM</b>                              |   |          |          |           |           |           |           |   |
| All spells . . . . .  | 0.01018   | 0.03901  | 0.04720  | 0.04967   | 0.05415   | 0.05415   | 0.05415   | 1.75418                                 |
| <b>Race and Hispanic origin</b>   |   |          |          |           |           |           |           |   |
| White . . . . .   | 0.01381   | 0.04816  | 0.05586  | 0.05828   | 0.06058   | 0.06058   | 0.06058   | 2.81532                                 |
| Black . . . . .   | 0.00000   | 0.03800  | 0.05708  | 0.06133   | 0.06881   | 0.06881   | 0.06881   | x                                       |
| Hispanic origin <sup>1</sup> . . . . .  | 0.00000   | 0.12451  | 0.13712  | 0.17329   | 0.20384   | x         | x         | 0.90858                                 |
| <b>Age</b>  |   |          |          |           |           |           |           |   |
| Under 18 years . . . . .  | 0.01389   | 0.05627  | 0.07897  | 0.08247   | 0.09509   | 0.09509   | 0.09509   | 1.52229                                 |
| 18 to 64 years . . . . .  | 0.01805   | 0.05592  | 0.06443  | 0.06746   | 0.07282   | 0.07282   | 0.07282   | 0.65221                                 |
| 65 years and over . . . . .   | 0.00000   | 0.12441  | 0.13103  | 0.14436   | 0.14436   | 0.14436   | 0.14436   | x                                       |
| <b>Sex</b>  |   |          |          |           |           |           |           |   |
| Male . . . . .  | 0.01550   | 0.06267  | 0.07532  | 0.07953   | 0.08565   | 0.08565   | 0.08565   | 7.55219                                 |
| Female . . . . .  | 0.01348   | 0.04936  | 0.08012  | 0.06318   | 0.06967   | 0.06967   | 0.06967   | 1.76472                                 |
| <b>Educational attainment (persons 18 years and over)</b>   |   |          |          |           |           |           |           |   |
| Less than 4 years of high school . . . . .  | 0.00000   | 0.08029  | 0.09228  | 0.09992   | 0.11193   | 0.11193   | 0.11193   | 2.11640                                 |
| High school graduate no college . . . . .   | 0.03283   | 0.08534  | 0.09567  | 0.09766   | 0.09946   | 0.09946   | 0.09946   | 0.98961                                 |
| 1 or more years of college . . . . .  | 0.02405   | 0.10205  | 0.11635  | 0.11923   | 0.12810   | 0.12810   | x         | 1.10627                                 |
| <b>Disability status (persons 15 to 69 years)</b>   |   |          |          |           |           |           |           |   |
| With a work disability . . . . .  | 0.03407   | 0.10135  | 0.11197  | 0.11852   | 0.14244   | 0.14244   | 0.14244   | x                                       |
| With no work disability . . . . .   | 0.01670   | 0.08074  | 0.08926  | 0.07234   | 0.07515   | 0.07515   | 0.07515   | 0.68586                                 |
| <b>Residence</b>  |   |          |          |           |           |           |           |   |
| Metropolitan . . . . .  | 0.00847   | 0.04248  | 0.05385  | 0.05810   | 0.06348   | 0.06348   | 0.06348   | 1.31030                                 |
| Central city . . . . .  | 0.00709   | 0.04236  | 0.06404  | 0.07074   | 0.07707   | 0.07707   | 0.07707   | x                                       |
| Non-central city . . . . .  | 0.02181   | 0.08939  | 0.09455  | 0.09851   | 0.10672   | 0.10672   | x         | 2.63197                                 |
| Nonmetropolitan . . . . .   | 0.02819   | 0.08434  | 0.09303  | 0.09303   | 0.09855   | 0.09855   | x         | 1.55334                                 |
| <b>Family status</b>  |   |          |          |           |           |           |           |   |
| In families . . . . .   | 0.01316   | 0.04433  | 0.05587  | 0.05851   | 0.06438   | 0.06438   | 0.06438   | 1.75719                                 |
| In families with related children under 18 years . . . . .  | 0.01220   | 0.04535  | 0.08080  | 0.08324   | 0.07015   | 0.07015   | 0.07015   | 1.62673                                 |
| In married-couple families . . . . .  | 0.02130   | 0.06615  | 0.08075  | 0.08481   | 0.09374   | 0.09374   | 0.09374   | 0.86436                                 |
| In married-couple families with related children under 18 . . . . .                                   | 0.02372   | 0.07055  | 0.09325  | 0.09611   | 0.10552   | 0.10552   | x         | 0.74025                                 |
| In families with a female householder, no spouse present . . . . .                                    | 0.01599   | 0.05783  | 0.07599  | 0.08053   | 0.08605   | 0.08605   | 0.08605   | x                                       |
| In families with female householder, no spouse present with related children under 18 years . . . . . | 0.00987   | 0.05706  | 0.07750  | 0.08253   | 0.08865   | 0.08865   | 0.08865   | x                                       |
| Unrelated individuals . . . . .   | 0.00000   | 0.08784  | 0.09687  | 0.10114   | 0.10439   | 0.10439   | 0.10439   | 5.86926                                 |
| In non-family households . . . . .  | 0.00000   | 0.09008  | 0.09857  | 0.10180   | 0.10604   | 0.10604   | 0.10604   | x                                       |
| <b>Employment and labor force status (persons 18 years and over)</b>                                  |   |          |          |           |           |           |           |   |
| Employed full-time . . . . .  | 0.02549   | 0.08606  | 0.09421  | 0.09972   | 0.10278   | x         | x         | 0.76472                                 |
| Employed part-time . . . . .  | 0.06250   | 0.14374  | 0.15761  | 0.15761   | 0.15761   | 0.15761   | x         | x                                       |
| Unemployed . . . . .  | 0.00000   | 0.15182  | 0.24559  | 0.24559   | 0.24985   | 0.24985   | 0.24985   | 1.35784                                 |
| Not in labor force . . . . .  | 0.01223   | 0.07578  | 0.08741  | 0.09302   | 0.10064   | 0.10064   | 0.10064   | x                                       |
| <b>Family income-to-poverty ratio<sup>3</sup></b>   |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .  | 0.00771   | 0.05081  | 0.07059  | 0.07098   | 0.07929   | 0.07929   | 0.07929   | x                                       |
| Under .50 . . . . .   | 0.00000   | 0.07539  | 0.09941  | 0.09941   | 0.10605   | 0.10605   | x         | x                                       |
| .50 to .74 . . . . .  | 0.00000   | 0.08925  | 0.13066  | 0.13066   | 0.13066   | 0.13066   | x         | x                                       |
| .75 to .99 . . . . .  | 0.02829   | 0.08200  | 0.13632  | 0.13989   | 0.15809   | 0.15809   | 0.15809   | 1.01897                                 |
| 1.00 or more . . . . .  | 0.01712   | 0.05621  | 0.06386  | 0.06870   | 0.07213   | 0.07213   | 0.07213   | 2.82053                                 |
| 1.00 to 1.24 . . . . .  | 0.03183   | 0.09257  | 0.11953  | 0.12910   | 0.17734   | 0.17734   | x         | x                                       |
| 1.25 to 1.49 . . . . .  | 0.05686   | 0.14062  | 0.21483  | 0.21874   | 0.21874   | 0.21874   | x         | 3.78891                                 |
| 1.50 to 1.99 . . . . .  | 0.02432   | 0.11253  | 0.12736  | 0.14021   | 0.15030   | 0.15030   | 0.15030   | 1.86269                                 |
| 2.00 to 2.99 . . . . .  | 0.05195   | 0.11289  | 0.12753  | 0.12656   | 0.12656   | 0.12656   | 0.12656   | 2.03117                                 |
| 3.00 and over . . . . .   | 0.00000   | 0.12169  | 0.12450  | 0.12972   | 0.13434   | x         | x         | 1.44782                                 |
| <b>Family premeans-tested income-to-poverty ratio<sup>4</sup></b>                                     |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .  | 0.00948   | 0.04680  | 0.06398  | 0.06438   | 0.07623   | 0.07623   | 0.07623   | x                                       |
| Under .50 . . . . .   | 0.00884   | 0.05320  | 0.07500  | 0.07500   | 0.09242   | 0.09242   | 0.09242   | 0.89524                                 |
| .50 to .74 . . . . .  | 0.00000   | 0.11899  | 0.16542  | 0.16542   | 0.16542   | 0.16542   | x         | x                                       |
| .75 to .99 . . . . .  | 0.04433   | 0.13515  | 0.18408  | 0.18699   | 0.16699   | 0.16699   | 0.16699   | x                                       |
| 1.00 or more . . . . .  | 0.01776   | 0.06021  | 0.08829  | 0.07334   | 0.07496   | 0.07496   | 0.07496   | 0.68896                                 |
| 1.00 to 1.24 . . . . .  | 0.05449   | 0.15468  | 0.18984  | 0.21093   | 0.21093   | 0.21093   | 0.21093   | x                                       |
| 1.25 to 1.49 . . . . .  | 0.00000   | 0.12910  | 0.25585  | 0.25975   | 0.25975   | 0.25975   | x         | 1.01949                                 |
| 1.50 to 1.99 . . . . .  | 0.02432   | 0.11253  | 0.12736  | 0.14021   | 0.15030   | 0.15030   | 0.15030   | 1.86269                                 |
| 2.00 to 2.99 . . . . .  | 0.05195   | 0.11289  | 0.12753  | 0.12656   | 0.12656   | 0.12656   | 0.12656   | 2.03117                                 |
| 3.00 and over . . . . .   | 0.00000   | 0.12169  | 0.12450  | 0.12972   | 0.13434   | x         | x         | 1.44782                                 |
| <b>Family pre-transfer income-to-poverty ratio<sup>5</sup></b>  |   |          |          |           |           |           |           |   |
| Less than 1.00 . . . . .  | 0.00839   | 0.04513  | 0.08050  | 0.06170   | 0.07188   | 0.07188   | 0.07188   | x                                       |
| Under .50 . . . . .   | 0.00686   | 0.04883  | 0.06569  | 0.06608   | 0.07844   | 0.07844   | 0.07844   | x                                       |
| .50 to .74 . . . . .  | 0.00000   | 0.11289  | 0.18230  | 0.19921   | 0.21679   | 0.21679   | 0.21679   | x                                       |
| .75 to .99 . . . . .  | 0.06484   | 0.18046  | 0.24218  | 0.24218   | 0.24218   | 0.24218   | 0.24218   | x                                       |
| 1.00 or more . . . . .  | 0.02044   | 0.06517  | 0.07387  | 0.07893   | 0.08034   | 0.08034   | 0.08034   | 0.64762                                 |
| 1.00 to 1.24 . . . . .  | 0.04785   | 0.16879  | 0.17558  | 0.18613   | 0.18613   | 0.18613   | x         | 1.72063                                 |
| 1.25 to 1.49 . . . . .  | x   | x        | x        | x         | x         | x         | x         | x                                       |
| 1.50 to 1.99 . . . . .  | 0.03238   | 0.12594  | 0.15276  | 0.16805   | 0.18712   | 0.18712   | 0.18712   | 1.44016                                 |
| 2.00 to 2.99 . . . . .  | 0.05898   | 0.12011  | 0.13671  | 0.12636   | x         | x         | x         | 1.91006                                 |
| 3.00 and over . . . . .   | 0.00000   | 0.12400  | 0.12701  | 0.13324   | 0.13887   | x         | x         | 1.41882                                 |

<sup>1</sup>Major assistance programs include AFDC or other cash assistance, Supplemental Security Income, food stamps, Medicaid, and housing assistance.

<sup>2</sup>Persons of Hispanic origin may be of any race.

<sup>3</sup>Based on money income excluding capital gains and before taxes.

<sup>4</sup>Based on money income excluding capital gains and means-tested government cash transfers and before taxes.

<sup>5</sup>Based on money income excluding capital gains and government cash transfers and before taxes.